Main catalogue
2018 / 2019

Lighting systems

Power distribution

GIFAS
ELECTRIC

WE ARE GIFAS
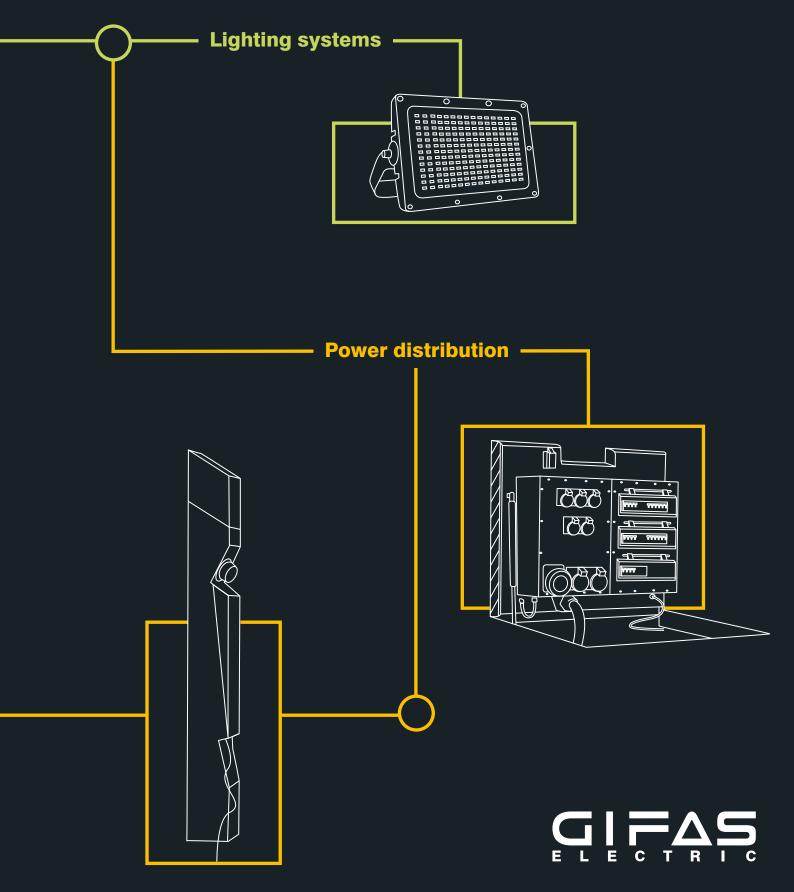
Welcome to GIFAS!

We are pleased to present our current general catalogue for 2018. Here you'll find approved product solutions for power distribution and lighting systems on more than 300 pages. The well-structured chapters provide a compact overview, simplifying the navigation and having a quick look easier. In addition to a wide range of products, there are more significant data available for you to look at - from selection of materials and the basics of lighting technology to various processes and standards.

Since founding over more than 60 years ago, our thoughts and actions have been focused on one main goal: To continually improve our performance in order to reach new levels of excellence. These includes quality that can be attested and attaining the maximum benefit from our products, an understanding of the requirements in our respective markets as well as providing unique service close to our customers. This is the GIFAS promise. We stand for reliability and offer guidance in changing times - for your future. Mutually, we master any challenge that comes our way. We are here for you!

Your GIFAS Team

«GIFAS-Video»
Meet the
GIFAS team
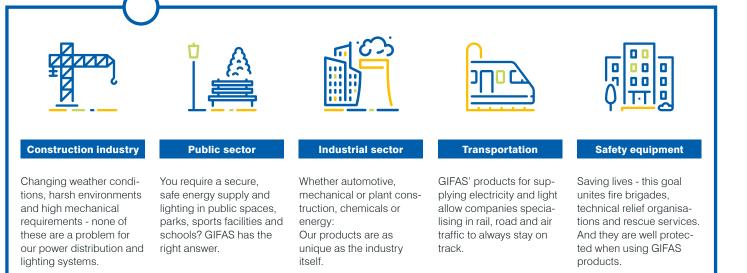ELECTRIC
www.gifas.de

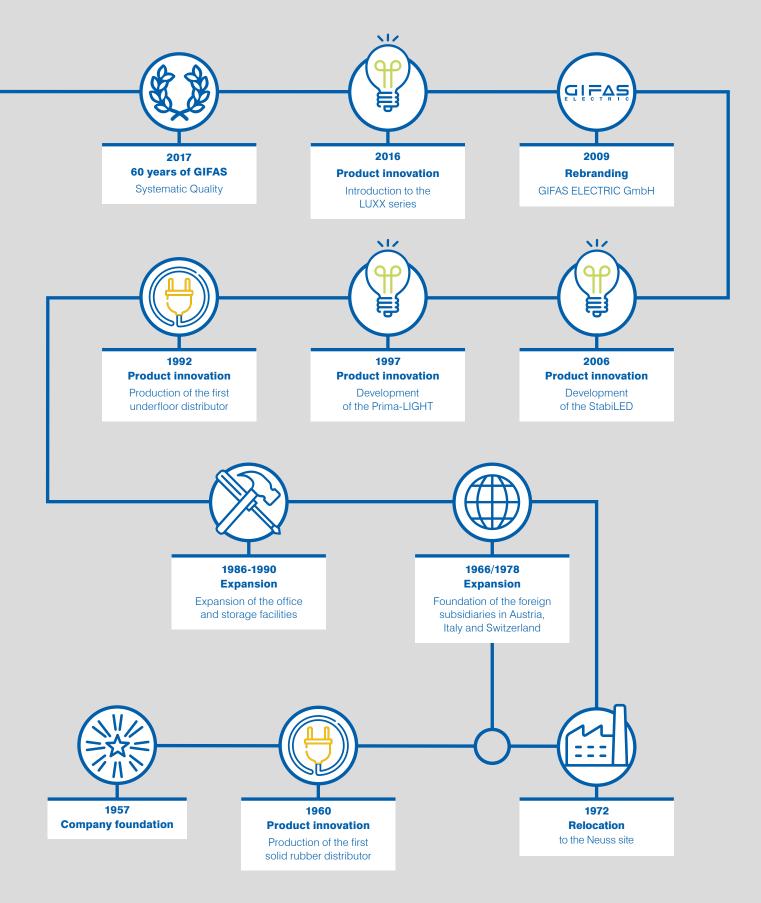# Contents

PRODUCTS FOR TODAY AND TOMORROW.

GIFAS ELECTRIC stands for first-class competence throughout Europe when it comes to design, manufacturing and selling electrotechnical system solutions in the low-voltage sector - since 1957. Whether at the construction site, in industrial settings or the public sector, in transport or in safety equipment, our products are extremely useful in any demanding environment.

Our main focus as a professional solution provider is on these areas. And these areas all have something in common: We offer user-oriented and user-friendly design with reliable and first quality "Made in Germany". Speaking of quality at GIFAS does not just mean the specific product, but the entire range of our activities from customer requests to after sales follow-ups. The use of materials, technologies, processes, efficiency and our service - everything is tested constantly for being improved.

Perfection is the standard that we operate under and «Systematic Quality» is our promise - we guarantee consistently high-quality service and maximum customer satisfaction with long-term business relationships.

However, for us it is not just a case of long-term cooperation with our business partners, it's also the 280 committed employees in the group of companies. These factors are guarantors of our continual success - passion, competence and the highest level of service.

Construction industry

Changing weather conditions, harsh environments and high mechanical requirements - none of these are a problem for our power distribution and lighting systems.

Public sector

You require a secure, safe energy supply and lighting in public spaces, parks, sports facilities and schools? GIFAS has the right answer.

Industrial sector

Whether automotive, mechanical or plant construction, chemicals or energy:
Our products are as unique as the industry itself.

Transportation

GIFAS' products for supplying electricity and light allow companies specialising in rail, road and air traffic to always stay on track.

Safety equipment

Saving lives - this goal unites fire brigades, technical relief organisations and rescue services. And they are well protected when using GIFAS products.

2017
60 years of GIFAS
Systematic Quality

2016
Product innovation
Introduction to the
LUXX series

2009
Rebranding
GIFAS ELECTRIC GmbH

1992
Product innovation
Production of the first
underfloor distributor

1997
Product innovation
Development
of the Prima-LIGHT

2006
Product innovation
Development
of the StabiLED

1986-1990
Expansion
Expansion of the office
and storage facilities

1966/1978
Expansion
Foundation of the foreign
subsidiaries in Austria,
Italy and Switzerland

1957
Company foundation

1960
Product innovation
Production of the first
solid rubber distributor

1972
Relocation
to the Neuss site

SPEAKING TO ONE ANOTHER. INSPIRE WITH KNOWLEDGE.

We want to stay in contact with our customers. Whether through site contacts or being supported by the media on our websites, product catalogues, videos and press releases.

If you desire, we can keep you up-to-date with our compact e-mail newsletters including GIFAS news especially for your industry and provide you with interesting facts regarding power distribution and lighting systems.

Our motto is "reading is good - showing is better". You will also find us exhibiting at numerous trade fairs and congresses in your vicinity. Let's talk!

Regardless of where we meet: We aim to provide you with help and advise in order to improve your daily working life with practical solutions. For us, this is the meaning of «Systematic Quality».

Web & Social Media	Newsletter	PR	Trade Fairs	Distribution
Fast, clear and informative – our website and social media channels help you, with just a few clicks, to find the information you need. Follow us! www.gifas.de	Information about new products and new solutions from GIFAS ELECTRIC, industry news and interesting information: Our newsletter will make sure that you're up-to-date.	Successful communication is characterised by activity. We are located near you - and we're also present in your preferred media channel.	We are present at numerous trade fairs, conferences and congresses throughout Europe - the dates can be found on our website and in our newsletter. Come and visit us!	When it comes to providing service or advice, our philosophy is as simple as it is consistent: What counts is your satisfaction. That's why you can always expect that little bit more when it comes to receiving advice.

Latest contact
information
can be found at:
www.gifas.de/en/
contact-persons

Asia

Lena SDRALEK
📞 +49 2137 105 242

Europe

Michaela JACOBS
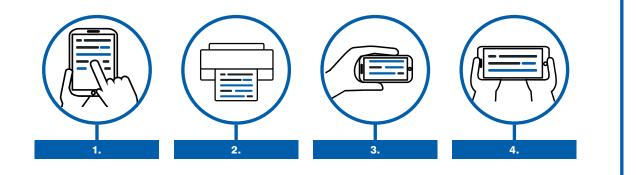📞 +49 2137 105-236

TOMORROW'S PRODUCTS TODAY IN 3D.

Fascinatingly simple and in real time. Experience what our products look like quickly and easily with the free Augmented Reality App from GIFAS!

Does the AlphaLUXX industrial floodlight fit on my building's wall? Which size of PIAZZA underfloor distributor should I get for the town's market square and in which colour does the DeltaLUXX high bay lighting look best? With our new Augmented Reality App, choosing the right electrical equipment is particularly easy. Now you can see a wide variety of products in true-to-original 3D in your own office or at home - whether on your smartphone or tablet.

You can easily project your favourite product into the specific area of application that you need it for: Simply scan the printed product image (marker) with the GIFAS App and move it to the desired location. Then you can see the product from every angle in 3D. Change the product size on your device by zooming in with your finger to get a true-to-original impression of how well it will perform in the place you intend to place them.

Use the latest technology to place a digital version of the objects in their future proposed location - with the correct scale and in the right position. Enjoy!

Download the GIFAS App here

1.
Download the GIFAS Augmented Reality App for free on your smartphone or tablet.

2.
Download the AR-marker and print it in the original size.
www.gifas.de/marker

3.
Position the marker on the desired area and scan it with the GIFAS Augmented Reality App.

4.
View the selected product from all sides and from different angles.

3D Visualisation

Underfloor distributor PIAZZA

More on page 99.

Floor outlet FONTO

More on page 139.

Floodlight AlphaLUXX

More on page 285.

High bay lighting DeltaLUXX

More on page 307.

OUR PROMISE: SYSTEMATIC QUALITY

Industry award 2017

In the Germany-wide INDUSTRY AWARD 2017, our AlphaLUXX product series was awarded the BEST OF 2017 distinction as a particularly innovative industrial LED spotlight in the Optical Technologies category.

AlphaLUXX won the jury over for its design, functionality, being highly economic, as well as its technological and ecological benefits.

Grand Prize for Midsized Companies

The Oskar Patzelt Foundation awards the GRAND PRIZE FOR MIDSIZED COMPANIES annually to Germany's very best companies. GIFAS ELECTRIC was praised as one of the top 20% companies in NRW (North Rhine-Westphalia) in 2017 in terms of overall successful development, modernisation and innovation.

The honouring has provided a high degree of motivation and at the same time provided an incentive for all further GIFAS activities.

Germany's Customer Champion

GIFAS ELECTRIC received the 2017 GERMAN CUSTOMER CHAMPIONS award in Germany-wide competition.

The distinction "Top Result" is based on the current customer surveys regarding overall public image, customer orientation and customer satisfaction. The business partners that were surveyed rated the "Products and Services" area, in particular, as outstanding in terms of reliability, user-friendliness and service life. The categories "Strength in Innovation" and "Technical and Solution Competence" were also scored above average.

IHK Certificate for Education

Education and training are both important investments in the future and guarantee the sustainable operational performance of GIFAS ELECTRIC.

We are a recognised apprenticing company for our region in accordance with the Vocational Training Act and the IHK examination regulations - from typical occupational training to dual studies.

Process quality

Efficiency and speed right from the very start

Lean structures and professional processes are prerequisites for implementing tailor-made customer and system solutions. We plan, develop, check, compare and test until we have found the best possible solution. This is the only way we can guarantee well thought-out and practice-oriented, quality products for your needs.

Product quality

Procurement and production

For us quality can also be hidden. That's why the selection of our suppliers is all the more important - so that every component meets our quality requirements. This lays the foundation for our certified products, manufactured with precision and many years of experience. Our service: Each product is 100% tested on its operability and safety before delivery.

Quality of communication

Information, communication and advice

Of course we also ad here to our guiding principal when it comes to communication so that information flows correctly. We pass this quality on to you via every possible channel. This way you'll always be kept informed and up-to-date through online channels, at trade fairs, in print and at on-site consultations.

Staff quality

The decisive factor for success

Our vibrant corporate culture, which thrives on commitment, strengths and abilities, is extremely important to us. We offer our employees new opportunities and great incentives. We are convinced that everyone's motivation and qualifications contribute to ensuring the long-term success of the company.

THE GREAT ADVANTAGE OF SOLID RUBBER

Properties	Solid rubber	Plastic	Metal
Insulation	Protection class II	Protection class II	Protection class I
Temperature resistance	Drop test down to -30°C	Drop test down to -20°C	Drop test down to -30°C
Wall thickness	No condensation	Condensation	Condensation
Impact resistance	Impact resistant	With some impact resistance	With some impact resistance
UV/Ozone	Weather-resistant	With some weather-resistance	With some weather-resistance
Corrosion	Non-corrosive	Non-corrosive	Limited non-corrosiveness
Vibration, shock and vibration resistance	high	low	some

Advantages of GIFAS solid rubber products

- Unbreakable and resistant to aging
- Resistant to seawater, acids and alkalis
- High insulation value (protective insulation, protection class II)
- No condensation due to the wall thickness
- No fire load (self-extinguishing in accordance with VDE 0471-2)
- High mechanical strength

- Silicone- and halogen-free
- All external metal parts are made of rustproof material
- Variable design according to customer requirements
- All rubber parts hail from our own "Made in Germany" production
- IP 65 housing, incl. fittings
- 100% control

Areas of application

Everywhere where value is placed on
- Safety
- Impeccable quality
- Maximum durability
- Low susceptibility to faultiness
- Absence of harmful substances
- Long service life

Protection classes

The protection classes are divided into three categories: I, II and III.

I are luminaires that require a protective conductor connection (e.g. metal housing).

II are highly insulated luminaires that do not require a separate protective conductor connection.

III are luminaires that are operated with extra-low safety voltage (SELV) (required e.g., for hand-held luminaires and use in confined spaces).

Made in Germany

We at GIFAS are convinced that "Made in Germany" continues to stand for products that meet the highest requirements in every respect. That is why we have been loyal to our site for roughly 60 years. In Neuss, we develop and manufacture our product series as well as providing customer-specific solutions. We also have qualified specialists here as well as an efficient machine park to cover the entire processing chain for the solid rubber products.

100% tested

GIFAS tests all electrical products for functionality and safety after the in-house production. The results are attached to the product in the form of written test documentation - verifiable and service-oriented for the benefit of our customers. Our claim is 100% quality. That's why we check the figures of the protective conductor, insulation, high voltage, nominal voltage and rotary field. This ensures that our power distribution and lighting systems are extremely reliable.
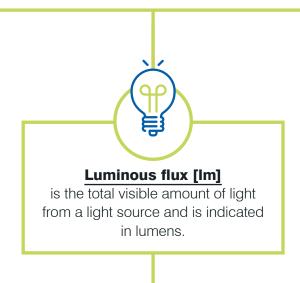
LEARN MORE ABOUT LIGHTING TECHNOLOGY

Properties of an LED

- Long service life
  (> 50,000 h with high-quality LEDs)
- No UV or infrared radiation
- Small design size
- Highly efficient (lm/W)
- Colour rendering good to very good
- No environmentally damaging materials have been used (e.g. mercury)
- Vibration- and shock-resistant

- 100 % luminous flux after being switched-on, no ignition/ramp-up/ cool-down time
- Immediate restart possible
- Precise dimming without colour deviations possible
- Large selection of different light colours
- No colour changes throughout the entire service life

Luminous flux [lm]
is the total visible amount of light from a light source and is indicated in lumens.
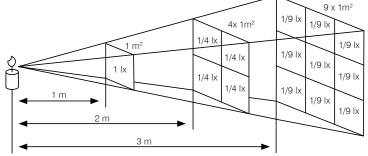
Efficiency / Luminance efficacy [lm/W]

...describes the luminous flux emitted in relation to the amount of power consumed. When indicating the efficiency, one must take into account whether the value of the LED or the system efficiency, including all losses due to operating devices, front panel, optical elements and temperature are mentioned. LED efficiency is always given as higher than the system efficiency, taking all loss values into account (measured and documented laboratory values). The system efficiency values can also be found in the lighting design programmes (IES files).

Illumination [lx]

...describes the amount of luminous flux incident on a surface. (It decreases with the square of the distance.) Illuminance can be measured with a Luxmeter. To be able to measure the real values, the Luxmeter must be suitable for LED lights. Recommended illuminance levels are standardised for each area of application in accordance with DIN EN 12464.

9 x 1m²

4x 1m²

1/9 lx 1/9 lx

1 m²

1/4 lx

1/9 lx 1/9 lx

1 lx

1/4 lx

1/9 lx 1/9 lx

1/4 lx

1/4 lx 1/4 lx

1/9 lx 1/9 lx

1/9 lx

1 m

2 m

3 m

Radiation pattern

...describes how the light exits a luminaire. By using lenses or reflectors, the light can be directed in such a way that close or far away surfaces or objects can be illuminated. Luminaires without an additional light control (lenses) are usually assumed to have a beam angle of approximately 120°. Additional light control (lenses) allows for the possibility of executing smaller beam angles. This is particularly important for installation heights >12 m.

Light colour (colour temperature) [K]

..is given in Kelvin and is an indicator of the light colour. The higher the number of kelvins, the "colder" the light (from reddish to bluish). For Western Europe, the usual colour temperatures are between 3,000 K and 5,000 K.

Colour rendering index CRI - Ra

...describes the quality of the colour rendering of the light sources. A spectrum of light similar to natural daylight (natural light = CRI of 100 Ra) serves as a reference for assessing colour rendering. The closer the specified value is to 100 Ra, the more natural the colour rendering.

Temperatures - service life

A functioning and coordinated thermal management system is crucial for the service life of an LED luminaire. The better the generated heat can be dissipated, the more durable the lighting system will be.

Directives and standards

Rules, laws and standards determine our lives. But what exactly does that have to do with DIN EN and guidelines? The following pages will give you a basic overview.

Important: This overview is for orientation purposes only and in no way replaces expert advice from professionals. The contents have been carefully researched, however, deviations from the actual facts cannot be entirely ruled out.

1. General

**Directive 2014/35/EU
(Low Voltage Directive)**
On 20 April 2016, the new Low Voltage Directive (NSR) 2014/35/EU replaced the previous directive 2006/95/EC. The NSR applies to electrical equipment between 50 and 1000 V AC or 75 and 1500 V DC. The objective of the NSR is to ensure a high level of protection in terms of health and safety for people, pets, farm animals and goods.

**Directive 2014/30/EU
(EMC Directive)**
The EMC Directive specifies how the electromagnetic compatibility of electrically operated devices should be achieved in the European domestic market. With few exceptions, this directive applies to all equipment or fixed installations intended for end-users that may cause electromagnetic interference or whose operation may be affected by electromagnetic interference.

**Directive 2014/34/EU
(EMC Directive)**
ATEX has stood for European directives on explosion protection for over 20 years. They are intended for manufacturers and users of equipment or protective systems that are used in potentially explosive spheres. A few weeks ago a new version, the ATEX Directive 2014/34/EU, was published in the Official Journal of the European Union. There are no decisive new developments, but manufacturers and importers of explosion-protected devices and machines should be aware of some of the changes.

**Directive 2012/19/EU
(EMC Directive)**
The WEEE Directive 2012/19/EU: Waste of Electrical and Electronic Equipment: serves to avoid waste from electrical and electronic equipment and to reduce such waste through reuse, recycling and other forms of recovery. It lays down the minimum standards for the treatment of WEEE in the EU.

**Directive 2011/65/EU
(EMC Directive)**
The EU Directive 2011/65/EU serves to restrict the use of certain hazardous substances in electrical and electronic equipment. It regulates the use and the market placement of hazardous substances in electrical appliances and electronic components.

2. Power distribution

VDE 0100
The planning, construction and testing of power installations with a nominal voltage of up to 1 kV in residential buildings and commercial and public facilities.

DIN EN 61439-1
VDE 0660-600-1: 2012-06
Low-voltage switchgear combinations.

Part 1: General specifications
DIN EN 61439-2
VDE 0660-600-2: 2012-06
Low-voltage switchgear combinations part 2: Power switchgear combinations.

DIN EN 61439-4
VDE 0660-600-4: 2013-09
Low-voltage switchgear combinations part 4: Special requirements for assemblies for construction sites (ACS).

DIN EN 61000-3-2
VDE 0838-2: 2015-03
Electromagnetic compatibility (EMC) Part 3-2: Limits - Limits for harmonic currents
(Device input current $<=$ 16 A per conductor).

DIN EN 61000-3-3
VDE 0838-3: 2014-03
Electromagnetic compatibility (EMC) Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flickering in public low-voltage supply networks for devices with a rated current $<=$ 16 A per conductor, which are not subject to special connection conditions.

DIN EN 61000-6-2
VDE 0839-6-2: 2006-03
Electromagnetic compatibility (EMC) Part 6-2: Generic standards - Immunity to interference for industrial areas.

DIN EN 61000-6-3
VDE 0839-6-3: 2011-09
Electromagnetic compatibility (EMC) Part 6-3: Generic standards - Interference emission for residential, commercial and industrial zones as well as small businesses.

2.1 Cable reels

DIN EN 61242
VDE 0620-300: 2016-12
Electrical installation material Cable reels for domestic use and similar purposes.

DIN EN 61316
VDE 0623-100: 2000-09
Cable reels for industrial applications.

2.2 Transformers

DIN EN 61558-1
VDE 0570-1: 2006-07
Safety of transformers, power supply units, inductors and the like
Part 1: General requirements and tests
(IEC 61558-1:2005/A1:2009); German version EN 61558-1:2005/A1:2009.

Directives and standards

2.3 Electric mobility

Charging pillars and stations

IEC 61851-1
VDE 0122-1:2012-01
Electrical equipment for electric road vehicles - Conductive charging systems for electric vehicles
Part 1: General requirements.

IEC 61851-22
VDE 0122-2-2: 2002-10
Electrical equipment for electric road vehicles - Conductive charging systems for electric vehicles.

IEC 61851-23: 2014
Conductive charging systems for electric vehicles
Part 23: DC charging stations for electric vehicles.

IEC 60364-7-722: 2015
Deployment of low-voltage systems
Part 7-722: Requirements for operating facilities, rooms and systems of a special kind - power supply for electric vehicles.

Charger plugs

DIN EN 62196-1
VDE 0623-5: 2014-06
Plugs, sockets, vehicle couplings and vehicle inlets - Conductive charging of electric vehicles
Part 1: Conductive charging of electric vehicles up to 250A AC and 400A DC.

DIN EN 62196-2
VDE 0623-5-2: 2014-12
Plugs, sockets, vehicle couplings and vehicle inlets - Conductive charging of electric vehicles
Part 2: Requirements and main dimensions regarding the compatibility and interchangeability of pin and contact-tube accessories for an alternating current.

IEC 62196-3
VDE 0623-5-3: 2015-05
Plugs, sockets, vehicle couplings and vehicle inlets - Conductive charging of electric vehicles
Part 3: Requirements and main dimensions for pins and sockets regarding the interchangeability of vehicle plugs and sockets for dedicated charging with direct current and as a combined version for charging using alternating current/direct current.

Communication protocol

ISO/IEC 15118-1:2013
Road vehicles - communication interface between the vehicle and charging station
Part 1: General information and specifications of the application scenarios.

ISO/IEC 15118-2:2014
Road vehicles - communication interface between the vehicle and charging station
Part 2: Requirements for the network and application protocol.

ISO/IEC 15118-3:2015
Road vehicles - communication interface between the vehicle and charging station
Part 3: Physical and data connection interface requirements.

3. Lighting systems

DIN EN 60598-1/A1
VDE 0711-1/A1: 2016-08
Luminaires
Part 1: General requirements and tests.

DIN EN 60598-2-4
VDE 0711-2-4: 1998-05
Luminaires
Special requirements - portable lights for general purposes.

DIN EN 60598-2-5
VDE 0711-2-5: 2016-09
Luminaires
Part 2-5: Special requirements - Spotlights.

DIN EN 60598-2-24
VDE 0711-2-24: 2014-04
Luminaires
Part 2-24: Special requirements - Luminaires with a limited surface temperature.

DIN EN 62031
VDE 0715-5: 2015-09
LED modules for general lighting Safety requirements.

DIN EN 62471 VDE 0837-471
Supplement 1: 2010-06
Photobiological safety of lamps and lamp systems.

DIN EN 55015
VDE 0875-15-1: 2016-04
Limits and measurement methods for radio interference from electrical lighting equipment and similar electrical appliances.

DIN EN 61000-3-2
VDE 0838-2: 2015-03
Electromagnetic compatibility (EMC)
Part 3-2: Limits - Limits for harmonic currents
(Device input current $<= 16$ A per conductor).

DIN EN 61000-3-3
VDE 0838-3: 2014-03
Electromagnetic compatibility (EMC)
Part 3-3: Limits - Limitation of voltage variations, voltage fluctuations and flickering in public low-voltage supply networks for devices with a rated current $<= 16$ A per conductor that are not subject to special connection conditions.

DIN EN 61000-6-2
VDE 0839-6-2: 2006-03
Electromagnetic compatibility (EMC)
Part 6-2: Generic standards - Immunity to interference for industrial areas.

DIN EN 61000-6-3
VDE 0839-6-3: 2011-09
Electromagnetic compatibility (EMC)
Part 6-3: Generic standards - Interference emission for residential, commercial and industrial zones as well as small businesses.

DIN EN 61547
VDE 0875-15-2: 2010-03
Arrangements for general lighting purposes, EMC immunity requirements.

DIN EN 62493
VDE 0848-493: 2016-08
Assessment of lighting equipmentwith regards to the exposure of persons to electromagnetic fields.

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Construction industry

Public sector

Industrial sector

Transportation

Safety equipment

Online products available at www.gifas.de/en

Find the suitable product solution for you on our website and read all the latest news about our products.

WORKING SAFELY WITH ELECTRICITY.

Solid rubber: A material with expertise. This material offers excellent weather-, UV- and ozone-resistance, a high degree of energy absorbent damping, good resistance to acids and a high capacity for electrical insulation. These features make the GIFAS wall distributors a great long-term choice in electrical installations for anybody.

Small distributors

Series 1212 / 1400 / 1800 / 2500

Item no.	Symbols Output	Output	Input	Cable / personal protection
Series 1212 / 125x125x76mm Weight 2kg Protection category IP54				
Assembly variants				
209845		2 Protective contact 230V	1 SCG M20 from above	
248912		2 Protective contact 230V	1 SCG M20 from below	
Series 1400 / 78x290x91mm Weight 1-2kg Protection category IP54				
Assembly variants				
244306		2 Protective contact 230V	1 SCG M20 from below	RCCB 25/0.03A 2p.
268782		3 Protective contact 230V	1 SCG M20 from above	
211611		4 Protective contact 230V	1 SCG M20 from above	
278634		3 CEE 3x16A/230V	1 SCG M20 laterally	
Series 1616 / 160x90x160mm Weight 3kg Protection category IP54				
Assembly variants				
286052		2 Protective contact 230V 1 data socket 2xRJ45 Hanging distributor	1 SCG M20 from above 1 SCG M16 from above	RCCB 25/0.03A 2p.
Series 1800 / 184x92x52mm Weight 1-2kg Protection category IP54				
Assembly variants				
113513		3 Protective contact 230V	1 SCG M20 from above	
252815		3 Protective contact 230V	1 SCG M20 from below	
118330		3 Protective contact 230V	1 SCG M20 from right	
230030		3 Protective contact 230V	2 SCG M20 laterally	
Series 2500 / 110x79x110mm Weight 1-2kg Protection category IP54				
Assembly variants				
101659		4 Protective contact 230V Hanging distributor	1 SCG M20 from above	Pre-fusing max. 16A
109658		1 CEE 5x16A/400V 3 Protective contact 230V Hanging distributor	1 SCG M20 from above	Pre-fusing max. 16A
111943		4 Protective contact 230V 1 Einhandschnell- kupplung 1/2" Hanging distributor	1 SCG M20 from above 1 Netztanschluss 1/2"	

Item no. 286052

Item no. 230030

Item no. 111943

Series 2516 / 3800 / 7200

Item no.	Symbols Output	Output	Input	Cable / personal protection

Series 2516 / 160x250x90mm Weight 1.7-4kg Protection category IP54
Assembly variants

209346		8 Protective contact 230V	1 SCG M20 from above [1]	
208873		1 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M25 from above	Pre-fusing max. 16A
235857		1 CEE 5x32A/400V 2 Protective contact 230V	1 SCG M25 from below 1 SCG M20 from below	
270747		2 CEE 5x16A/400V	1 SCG M25 from below	

[1] Design with 4 suspension eyelets and chain available

Item no. 208873

Series 3800 / 250x360x132mm Weight 5-8kg Protection category IP54
Assembly variants

280770		1 CEE 5x16A/400V 2 protective contact 1 emergency stop button 2 labor bushing for 24 VDC	1 SCG M20 from above 1 SCG M16 from above	1 MCB 16A.3P.C 2 MCB 16A.1P.C 1 RCCB 25/0.01A 4p
269216		5 CEE 4x32A/>50V 10h,100-300Hz	1 SCG M25 from above	

Item no. 280770

Series 7200 / 160x280x132mm Weight 5-8kg Protection category IP54
Assembly variants

211513		3 protective contact 230V	1 SCG SCG from below	3 MCB 16A.1P.B 1 RCCB 25/0.03A 4p
250837		2 CEE 2x16A/42V	2 SCG M25 from below	Neozed 16A
211452		1 CEE 5x32A/400V	1 SCG M25 from above	1 MCB 32A.3P.C 1 RCCB 40/0.03A 4p
211900		1 CEE 5x32A/400V 2 protective contact[1] 230V	1 SCG M25 from above	no fuse 2 MCB 16A.1P.B 1 RCCB 40/0.03A 4p
280140		1 CEE 4x16A/400V 1 main control switch 16A	2 SCG SCG from above	no fuse

[1] laterally placed tective contacts.

Item no. 209584

Tailored, customised equipment according to choice.

Wall-mounted distributors

Seriesn 7300 / 7400

Item no. 280266

Item no. 277670

Item no. 201515

Item no. 283736

Item no.	Symbols Output	Output	Input	Cable / personal protection

Series 7300 / 200x350x132mm Weight 7-10kg Protection category IP54
Assembly variants

Item no.	Symbols Output	Output	Input	Cable / personal protection
210766		4 Protective contact 230V	1 SCG M20 from above	2 MCB 16A.1P.B 1 RCCB 25/0.03A 4p
210011		1 CEE 3x16A/230V 2 Protective contact 230V	1 SCG M25 from above	3 MCB 16A.1P.B 1 RCCB 25/0.03A 4p
280266		4 CEE 3x16A/230V	2 SCG M32 from above	4 MCB 16A.1P.B 1 RCCB 40/0.03A 4p
230439		1 CEE 5x16A/400V 2 Protective contact 230V	1 SCG M25 from above	1 MCB 16A.3P.C 2 MCB 16A.1P.B
277670		1 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M25 from below 1 BV M25 from above	1 MCB 16A.3P.C 2 MCB 16A.1P.B 1 RCCB 40/0.03A 4p
210084		1 CEE 5x32A/400V 2 Protective contact 230V	1 SCG M25 from above	1 MCB 32A.3P.C 2 MCB 16A.1P.B 1 RCCB 40/0.03A 4p

Series 7400 / 265x370x132mm Weight 8-12kg Protection category IP54
Assembly variants

Item no.	Symbols Output	Output	Input	Cable / personal protection
233521		6 Protective contact 230V	2 SCG M25 from below	6 MCB 16A.1P.B 1 RCCB 40/0.03A 4p
204282		2 CEE 5x16A/400V 3 Protective contact 230V	2 SCG M32 from below	2 MCB 16A.3P.C 3 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
234690		2 CEE 5x32A/400V 3 Protective contact 230V	1 SCG M32 from below	2 MCB 32A.3P.C 3 MCB 16A.1P.B
232328		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M32 from below	1 MCB 32A. 3P.C 1 MCB 16A. 3P.C 3 MCB 16A. 3P.C
200147		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M32 from below	1 MCB 32A. 3P.C 1 MCB 16A. 3P.C 3 MCB 16A. 1P.B 1 RCCB 40/0.03A 4p
201515		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M32 from below 1 BV M32 from above	1 MCB 32A. 3P.C 1 MCB 16A. 3P.C 3 MCB 16A. 1P.B 1 RCCB 40/0.03A 4p
279057		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M32 from below	1 MCB 16A. 3P.C 3 MCB 16A. 1P.C 1 RCCB 40/0.03A 4p
277248		1 CEE 5x32A/400V 1 CEE 5x16A/400V 4 Protective contact 230V	2 SCG M40 from above	1 MCB 32A. 3P.C 1 MCB 16A. 3P.C 3 MCB 16A. 1P.C 1 RCCB 63/0.03A 4p

Tailored, customised equipment according to choice.

Series 7700

Item no.	Symbols Output	Output	Input	Cable / personal protection

Series 7700 / 336x370x162mm Weight 9-13kg Protection category IP54
Assembly variants

Item no.	Symbols Output	Output	Input	Cable / personal protection
237389		10 Protective contact 230V	1 SCG M25 from above	10 MCB 16A.1P.B 1 RCCB 40/0.03A 4p
279790		1 CEE 5x16A/400V 3 Protective contact 230V 2 CEE 2x16A/24V	2 SCG M32 from above 2 SCG M25 from above	1 MCB 16A.3P.C 1 MCB 16A.1P.C 1 RCCB 40/0.03A 4p 1 MCB 16A.1P.C
254021		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	2 SCG M32 from below	1 Neozed 32A 3 Neozed 16A 1 RCCB 63/0.03A 4p
239304		1 CEE 5x32A/400V 1 CEE 5x16A/400V 4 Protective contact 230V	1 SCG M32 from below	1 MCB 32A.3P.C 1 MCB 16A.3P.C 4 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
255014		1 CEE 5x32A/400V 2 CEE 5x16A/400V 2 Protective contact 230V	1 SCG M32 from above	1 MCB 32A.3P.C 2 MCB 16A.3P.C 2 MCB 16A.3P.C 1 RCCB 25/0.03A 4p
237386		1 CEE 5x32A/400V 2 CEE 5x16A/400V 4 Protective contact 230V	1 SCG M32 from below	1 MCB 32A.3P.C 2 MCB 16A.3P.C 4 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
290635		1 CEE 5x63A/400V 1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M40 from below 1 BV M40 from above	1 MCB 63A.3P.C 1 MCB 32A.3P.C 1 MCB 16A.3P.C 3 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
237388		1 CEE 5x63A/400V 1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M40 from above	no fuse 1 MCB 32A.3P.C 1 MCB 16A.3P.C 3 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
262346		1 CEE 5x63A/400V 1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	2 SCG M40 from below	1 MCB 63A.3P.C 1 MCB 32A.3P.C 1 MCB 16A.3P.C 3 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
276328		1 CEE 4x63A/500V 1 CEE 4x32A/500V	1 SCG M32 from above	1 MCB 32A.3P.K 1 RCCB 63/0.03A 4p 1 RCCB 40/0.03A 4p

Item no. 279790

Item no. 239304

Item no. 290635

Item no. 276328

Tailored, customised equipment according to choice.

Wall-mounted distributors

Series 7800

Item no. 242067

Item no.	Symbols Output	Output	Input	Cable / personal protection
Series 7800 / 360x500x133mm Weight 13-20kg Protection category IP54				
Assembly variants				
255747		1 CEE 5x32A/400V 2 CEE 5x16A/400V 6 Protective contact 230V	1 SCG M32 from below	1 MCB 32A.3P.C 2 MCB 16A.3P.C 6 MCB 16A.1P.C 1 RCCB 63/0.03A 4p
267683		6 CEE 5x32A/400V	1 SCG M50 from above 1 SCG M20 from above	Neozed 32A
205667		1 CEE 5x63A/400V 1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 Protective contact 230V	2 SCG M40 from below	Neozed 63A Neozed 32A Neozed 16A 3 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
242067		1 CEE 5x63A/400V 2 CEE 5x32A/400V 1 CEE 5x16A/400V 2 Protective contact 230V	2 SCG M40 from below	Neozed 63A 2 MCB 32A.3P.C 1 MCB 16A.3P.C 1 MCB 16A.1P.B 2 RCCB 63/0.03A 4p
208217		1 CEE 5x63A/400V 2 CEE 5x32A/400V 2 CEE 5x16A/400V 6 Protective contact 230V	1 SCG M40 from below [1]	no fuse 2 MCB 32A.3P.C 2 MCB 16A.3P.C 6 MCB 16A.1P.B 1 RCCB 40/0.03A 4p

[1] Some protective contact sockets are installed laterally on the distributor frame.

The plus of GIFAS distributors
- Offers all advantages of the material rubber
- All external metal parts made from rust-proof material
- Solid rubber sockets with nickel-plated contact sleeves
- Fuse elements protected with special shock-resistant cover
- SS screws set in rust-proof brass press-fit bushings with dual anchor
- Wired ready for connection
- Maintenance-friendly structure since all parts can be exchange individually
- Protection category to IP 65
- Self-extinguishing and flame-resistant
- From series 7200 all distributor are fitted with terminal blocks
- Comply with all minimum standards requirements for equipment of Category 2 "K 2"

Tailored, customised equipment according to choice.

Series 7900

Item no.	Symbols Output	Output	Input	Cable / personal protection

Series 7900 / 360x500x173mm Weight 17-25kg Protection category IP54

Assembly variants

210237		2 CEE 5x32A/400V 1 CEE 5x16A/400V 4 Protective contact 230V	1 CEE 5x63A/400V connector plug mounted on the front plate	2 MCB 32A.3P.C 1 MCB 16A.3P.C 2 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
208214		2 CEE 5x32A/400V 2 CEE 5x16A/400V 6 Protective contact 230V	1 SCG M40 from below [1]	2 MCB 32A.3P.C 2 MCB 16A.3P.C 6 MCB 16A.1P.B 1 RCCB 40/0.03A 4p
202418		3 CEE 5x32A/400V 3 CEE 5x16A/400V 6 Protective contact 230V	1 SCG M32 from below [1]	Neozed 25A 3 MCB 16A.3P.C 6 MCB 16A.1P.B 1 RCCB 63/0.03A 4p
205292		1 CEE 5x63A/400V 2 CEE 5x32A/400V 2 CEE 5x16A/400V 3 Protective contact 230V	1 SCG M63 from below	Neozed 63A 2 MCB 32A.3P.C 2 MCB 16A.3P.C 3 MCB 16A.1P.B 1 RCCB 63/0.03A 4p

[1] Some protective contact sockets are installed laterally on the distributor frame

Series 7900

Series 2x 7900

Series 3x 7900 / 1080x500x173mm Weight 75kg Protection category IP54

Assembly variants

| 276994 | | 1 CEE 5x32A/400V 3 CEE 5x16A/400V 4 Protective contact 230V | 1 SCG M40 from below | 1 main switch 63A 3p 1 RCCB 63/0.03A 4p 1 MCB 32A.3P.C 2 MCB 25A.3P.C 7 MCB 16A.3P.C 5 MCB 16A.1P.C 1 MCB 6A.1P.C |

Series 3x 7900

Tailored, customised equipment according to choice.

Wall-mounted distributors

Wall-mounted distributor combinations

The GIFAS combined distribution system offers you the option of combining the various series (housings).

We can design and produce your distributors individually in accordance with your wishes.

The balanced product portfolio comprises a complete system extending from socket combinations to machine control.

Tailored, customised equipment according to choice.

Automated unit protective caps
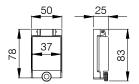
Various protective caps are available to choose from as loose construction elements. These components are generally permanently integrated into the housing cover, however they are available for individual processing. The transparent caps are made from impact-resistant polycarbonate and have seaLP in the lower section. A powerful torsion spring guarantees clean closure which can be improved even further with an adjusting screw. This protects the installed parts from the penetration of dirt and moisture. The width of the flaps is aLPo expressed according to their capacity in modules (corresponding to a 1-pin MCB with b=18 mm).
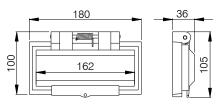
Series	miniature circuit breakers under transparent protective cap
1400	2
2516	4
3800	11
7200	7
7300	9
7400	17 (13 + 4 per transparent protective cap)
7700	21 (17 + 4 per transparent protective cap)
7800	51 (17 per transparent protective cap)
7900	51 (17 per transparent protective cap)

Item no.	Designation
100484	2-module protective cap (37 mm)
201066	4.5-module protective cap (82mm)
118752	9-module protective cap (162mm)
118750	10.5-module protective cap (195mm)
231797	13-module protective cap (232mm)
203000	17-module protective cap (308mm)
206598	Knurled screw M4x18 mm
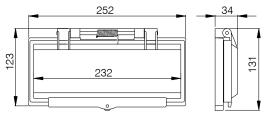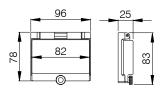
Item no. 100484

Item no. 201066

Item no. 118752

Item no. 118750
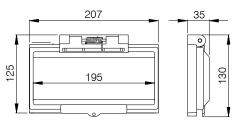
Item no. 231797

Item no. 203000

System safety switches

System safety switches

System main switches / safety isolator switches

System main switch with EMERGENCY STOP function

Safety isolator or maintenance switches

Product features

- 3-pin switch with N and PE terminaLP
- Operating power rating at 50-60 Hz, AC23, 400/415V
- Operating current rating AC22, 400/415V
- Safety isolator switches with auxiliary contacts 1M+1B

Type	Dimensions in mm	Housing colour	Item no. System main switch with EMERGENCY STOP function	Item no. Safety isolator switches	Item no. EMERGENCY STOP mushroom button
1212	125x125x76	grey	256926	256959	232588
1212	125x125x76	black	256925	256958	241708
1812	125x180x90	grey	256927	256963	
1812	125x180x90	black	256928	256961	
1616	160x160x90	grey	256930	256965	
1616	160x160x90	black	256929	256964	
2516	160x250x90	grey	256923	256924	
2516	160x250x90	black	256416	256920	
3020	200x300x90	grey	256941	256974	
3020	200x300x90	black	256940	256973	
3800	250x360x133	grey	256943	256976	
3800	250x360x133	black	256942	256975	

EMERGENCY STOP mushroom button / "OFF" indicator light

EMERGENCY STOP mushroom button with locking mechanism "tamper-proof"
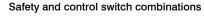
EMERGENCY STOP mushroom button with locking mechanism

"OFF" indicator light with ratchet wheel

"OFF" indicator light with handle lock

Safety and control switch combinations

Safety and control switch combination

Combination of multiple safety switches

Specialist combinations with integrated high current sockets as service sockets or as a power connection for conversion or repair work

Terminal distributors

The carefully thought-out development and flawless finish of GIFAS terminal distributors guarantee maximum flexibility in use. Whether it is on uneven ground, in confined, narrow spaces or in industry, the chemical sector or in tunnels: with our sockets, your installations are flexible and rational. We produce all our sockets precisely in accordance with your specifications and requirements. Benefit from GIFAS's trademark quality and experience.

Product properties

- Conventional components for individual expansion
- Wall-mounted installation via internal anchor points that are separate from the wiring space
- Subsequent on site adaptation possible
- Effortless installation of control and signalling units
- All penetrations on the housing with thread
- Wall thickness from 7 - 15 mm, reinforced corner construction
- Cover screws rust-free A4, captive
- High protection category
- Terminal distributors can be combined with each other

With our system, you remain flexible!

Seal channel, sealing part and rubber seal ensure a high protection category (IP 65)

Mounting holes outside the terminal area for complete protective isolation

Wall thickness from 7 to 15 mm, even for use in extreme conditions

Housing: special mixture of butyl rubber, therefore self-extinguishing and halogen-free

Cover: made from polycarbonate, self-extinguishing and halogen-free

The notes set out above relate to the solid rubber branch sockets. This information only applies to a limited extent for fire-proof branch sockets.

Housing

The housings exhibit a sophisticated construction and superlative material quality. Ten housings are available in various sizes and shapes, as well as in the colours electric grey RAL 7035 and black.

Cable glands

A selected range is available for installation featuring particular material properties. High density (IP 68) and resistance to chemical influences are the hallmarks of these cable glands.

Rail

Standardised DIN rails are ideal for the simple and quick installation of terminals or control and signalling units. Subsequent or supplementary installation is possible.

Terminals

Only high-quality connecting and branch terminals are used for installation as standard.

Accessories

Mounting panels or tabs made from rust-free stainless steel (V2A/V4A) are available as accessories for uneven ground or in narrow, confined spaces.

Labelling

Engraving or labels for the clear identification of technical operating notes are available upon request.

Terminal distributors

Terminal distributors Series 1010 / 1212 / 1616 / 1812 / 2516 / 3020

Technical data, Series 1010

For cable diam:	up to max. 5x2.5mm²
Exterior dimensions:	100x100x65mm
Interior dimensions:	83x83x52mm

Item no.	Description	
249369	Empty housing 1010 grey	
251021	Empty housing 1010 black	

Series	Equipment versions	Terminals
1010	3 x M16x1.5	None
1010	4 x M16x1.5	None
1010	2 x SCGx1.5	None

Technical data, Series 1212

For cable diam:	up to max. 5x6mm²
Exterior dimensions:	125x125x76mm
Interior dimensions:	108x108x64 mm

Item no.	Description	
207630	Empty housing 1212 grey	
206660	Empty housing 1212 black	

Series	Equipment versions	Terminals in mm²
1212	4 x M16x1.5	3x6
1212	2 x SCGx1.5	5x2,5
1212	3 x SCGx1.5	5x6
1212	4 x SCGx1.5	5x6
1212	1 x M25x1.5 / 2 x SCGx1.5	5x6
1212	1 x M25x1.5 / 3 x SCGx1.5	5x6
1212	2 x M25x1.5	5x6

Technical data, Series 1616

For cable diam:	up to max. 5x16 mm²
Exterior dimensions:	160x160x90 mm
Interior dimensions:	142x142x74 mm

Item no.	Description	
207631	Empty housing 1616 grey	
206662	Empty housing 1616 black	

Series	Equipment versions	Terminals in mm²
1616	3 x SCGx1.5	5x6
1616	4 x SCGx1.5	5x6
1616	6 x SCGx1.5	5x6
1616	3 x M25x1.5	5x6
1616	4 x M25x1.5	5x10
1616	2 x M32x1.5	5x10
1616	2 x M32x1.5 / 2 x SCGx1.5	5x16
1616	2 x M32x1.5 / 2 x M25x1.5	5x16

Technical data, Series 1812

For cable diam:	up to max. 5x10mm²
Exterior dimensions:	180x125x90mm
Interior dimensions:	157x107x74mm

Item no.	Description	
207633	Empty housing 1812 grey	
206663	Empty housing 1812 black	

Series	Equipment versions	Terminals in mm²
1812	3 x SCGx1.5	5x6
1812	4 x SCGx1.5	5x6
1812	2 x M25x1.5	5x6
1812	3 x M25x1.5	5 6
1812	2 x M32x1.5	5x16
1812	2 x M25x1.5 / 2 x SCGx1.5	5x10
1812	2 x M25x1.5 / 3 x SCGx1.5	5x16

Technical data, Series 2516

For cable diam:	up to max. 5x25mm²
Exterior dimensions:	250x160x90mm
Interior dimensions:	229x141x74mm

Item no.	Description	
207634	Leergehäuse 2516 grau	
206665	Leergehäuse 2516 schwarz	

Series	Equipment versions	Terminals in mm²
2516	6 x SCGx1.5	18x2,5
2516	3 x M25x1.5	5x10
2516	4 x M25x1.5	5x10
2516	5 x M25x1.5	5x16
2516	3 x M32x1.5	5x16
2516	4 x M32x1.5	5x35
2516	2 x M40x1.5	5x35
2516	3 x M40x1.5	5x35

Technical data, Series 3020

For cable diam:	up to max. 5x35mm²
Exterior dimensions:	300x200x110mm
Interior dimensions:	281x182x94mm

Item no.	Description	
233882	Empty housing 3020 grey	
233861	Empty housing 3020 black	

Series	Equipment versions	Terminals in mm²
3020	3 x M32x1.5	5x35
3020	2 x M50x1.5	5x70
3020	10 x SCGx1.5	10x6

Other designs available upon request.

Terminal distributors
Series 3800 / 3900 / 7800 / 7900

Technical data, Series 3800

For cable diam:	up to max. 5x70mm^2
Exterior dimensions:	360x250x133mm
Interior dimensions:	327x220x106mm

Item no.	Description
208449	Empty housing 3800 grey
207848	Empty housing 3800 black

Series	Equipment versions	Terminals in mm^2
3800	4 x M40x1.5	5 x70
3800	2 x M63x1.5	5 x120

Technical data, Series 3900*

For cable diam:	up to max. 5x95mm^2
Exterior dimensions:	360x250x173mm
Interior dimensions:	327x220x144mm

Item no.	Description
207849	Empty housing 3900 black

Technical data, Series 7800

For cable diam:	up to max. 5x150mm^2
Exterior dimensions:	500x360x133mm
Interior dimensions:	447x327x106mm

Item no.	Description
237992	Empty housing 7800 grey
207846	Empty housing 7800 black

Series	Equipment versions	Terminals in mm^2
7800	4 x M50x1.5	5x120
7800	1 x special cable gland (cable 46-60 cm) / 4 x M50x1.5	5x120
7800	10 x M32x1.5	5x240

Technical data, Series 7900*

For cable diam:	up to max. 5x240mm^2
Exterior dimensions:	500x360x173mm
Interior dimensions:	447x327x144mm

Item no.	Description
207847	Empty housing 7900 black

*Housing series 3900 and 7900 have a larger installation depth than series 3800 and 7800 (+ 40mm). This is used, for example, when all of the cable glands are located in the same side wall or if terminals are installed in a tiered fashion.

Other designs available upon request.

Accessories for terminal distributors

Mounting panel   Mounting plates   Mounting tabs

Mounting panel

For the assembly of inner mounting modules, we recommend the use of a mounting panel to match series 3800, 3900, 7800 and 7900.

Mounting plates

Solid steel plates that are mounted over their entire surface on the back of the socket. Protruding above is the hanging or mounting panel with one, two or three anchor holes (generous "key" holes).

Series	Design options
1010	quadratic
1212	quadratic
1616	quadratic
1812	transverse or tall
2516	transverse or tall
3020	transverse or tall
3800	transverse
3900	transverse

Mounting tabs

Tabs are mounted continuously on the left and right of the back of the housing. There is a protruding mounting area with generous anchor holes above and below.

Series	Design options
1010	long/transverse
1212	long/transverse
1812	long/transverse, long/tall
1616	long/transverse
2516	long/transverse, long/tall
3020	long/transverse, long/tall
3800	long/transverse
3900	long/transverse
7800	long/transverse
7900	long/transverse

Use cases Wall-mounted distributors

Use cases Wall-mounted distributors

Use cases Wall-mounted distributors

Use cases Wall-mounted distributors

Use cases system safety switches

Use cases terminal distributors

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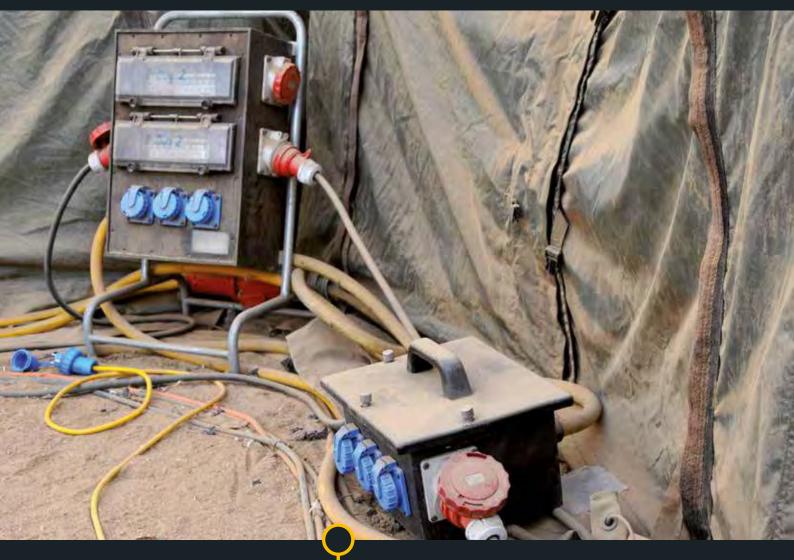
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READY FOR THE TOUGHEST MISSIONS.

Tested safety for your protection: With our mobile solid rubber distributors you can rely on a trouble-free experience at changing locations. GIFAS stands for proven quality when it comes to materials and components, ensuring that things run smoothly on site.

Small distributors

Series 1400 / 1800 / 2000

5 years warranty
on the solid rubber housing

Item no. 210521

Item no. 101294

Item no. 101329

Item no.	Symbols Output	Output	Input	Cable/personal protection
Series 1400 / 78x290x91mm Weight 2-2.5kg Protection category IP54				
Assembly variants				
210502		2 protective contact 230V	3m 3x1.5mm² Protective contact	RCCB 25/0.03A 2p.
246104		2 protective contact 230V	3m 3x1.5mm² CEE 3x16A/230V	RCCB 25/0.03A 2p.
210521		4 protective contact 230V	3m 3x1.5mm² Protective contact	
241761		4 protective contact 230V	5m 3x1.5mm² Protective contact	

can be supplied with transparent protective cap for max. 2 automated units

Series 1800 / 92x184x53mm Weight 2kg Protection category IP54				
Assembly variants				
101291		3 protective contact 230V	Knickschutztülle 3x1.5mm²	
101294		3 protective contact 230V	3m 3x1.5mm² Protective contact	
101296		3 protective contact 230V	5m 3x1.5mm² Protective contact	
101297		3 protective contact 230V	10m 3x1.5mm² Protective contact	
200804		3 protective contact 230V	3m 5x2.5mm² CEE 5x16A/400V	

Series 2000 /130x115x130mm Weight 2-3kg Protection category IP54				
Assembly variants				
101329		3 protective contact 230V	3m 5x2.5mm² CEE 5x16A/400V	
101337		1 CEE 5x16A/400V 2 protective contact 230V	3m 5x2.5mm² CEE 5x16A/400 V	
101344		3 CEE 2x16A/24V	3m 2x2.5mm² CEE 2x16A/24V	
101353		3 CEE 2x16A/42V	3m 2x2.5mm² CEE 2x16A/42V	
114899		3 CEE 4x16A/>50V, 10h high-frequency 100-300Hz	3m 4x2.5mm² CEE 4x16A/>50V, 10h high-frequency 100-300Hz	

with 4 adjustable feet and carrying handle

Tailored, customised equipment according to choice.

Series 2516

Item no.	Symbols Output	Output	Input	Cable/personal protection

Series 2516 / 250x160x90mm Weight ca. 2-4kg Protection category IP54
Assembly variants

Item no.	Symbols Output	Output	Input	Cable/personal protection
209807		4 protective contact 230V	3m 3x1.5mm² Protective contact	RCCB 25/0.03A 2p.
210397		6 protective contact 230V	3m 5x2.5mm² CEE 5x16A/400V	
237840		1 CEE 5x16A/400V	3m 5x2.5mm² CEE 5x16A/400V	RCCB 25/0.03A 4p.
237843		1 CEE 5x32A/400V	3m 5x6mm² CEE 5x32A/400V	RCCB 40/0.03A 4p.
208701		3 CEE 2x16A/24V	1 KV M20 from below	

Distributors equiped with solid rubber-carrying handle

Item no. 209807

Adapters

Notes

- The setup requirements for adapters are subject to the conditions of VDE series 0623 - especially part 4 - or in approximation to these.
- An adapter always comprises three parts and is made up of a plug, connecting cable and socket part (e.g. connector socket).
- The flexible connecting cable must be at least 1 m long in order to relieve strain on the wall-mounted socket.
- Not permitted are single-part adapters in which the plug and socket part of both systems are mechanically built together and operated from a single socket since the sockets are not designed for the resulting mechanical rigidity in the event of horizontal and vertical tensile stresses (lever effect).
- Adapters are only intended for short-term use, therefore a clearly visible external warning >For time-limited use only< is required.

Item no. 251883 und 251882

Item no. 251885

Item no.	Output	Input	Cable / personal protection
251882	1 protective contact 230V	2m 5x2.5mm² CEE plug 5x16A/400V	1 MCB 16A.1P.B
251883	1 protective contact 230V	2m 5x6,0mm² CEE plug 5x32A/400V	1 MCB 16A.1P.B
251885	1 CEE 5x16A/400V	2m 5x6,0mm² CEE plug 5x32A/400V	1 MCB 16A.3P.C
251935	1 CEE 5x16A/400V	2m 5x16.0mm² CEE plug 5x63A/400V	1 MCB 16A.3P.C
251886	1 CEE 5x32A/400V	2m 5x16.0mm² CEE plug 5x63A/400V	1 MCB 32A.3P.C

Item no. 251935 und 251886

Industrial distributors

Series 3500

Item no. 278888

Item no. 204884

Series 3500 / 361x250x361mm Weight ca. 8-15kg Protection category IP54
Assembly variants

Item no.	Symbols Output	Output	Input	Cable/personal protection
209284		1 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	3m 5x6mm² CEE 5x32A/400V	Neozed 16A Neozed 16A
117675		1 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	3m 5x6,0mm² CEE 5x32A/400V	Neozed 16A Neozed 16A RCCB 40/0.03A 4p.
209285		1 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 25A Neozed 16A Neozed 16A
201655		1 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 25A Neozed 16A Neozed 16A RCCB 63/0.03A 4p.
204884		1 CEE 5x63A/400V 1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 25A Neozed 16A Neozed 16A
112221		1 CEE 5x63A/400V 1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 25A Neozed 16A Neozed 16A RCCB 63/0.03A 4p.
209286		2 CEE 5x63A/400V 1 CEE 5x32A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 35A Neozed 16A
207770		2 CEE 5x63A/400V 1 CEE 5x32A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 35A Neozed 16A RCCB 63/0.03A 4p.
278888		1 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	3m 5x6mm² CEE 5x63A/400V	1 MCB 32A.3P.C 2 MCB 16A.3P.C 4 MCB 16A.1P.B AC/DC sensitive RCCB 63/0.03A 4p.

- can also be supplied with circuit breaker switch
- with transparent protective cap for max. 11 automated units or 15 automated units
  can be supplied inside distributor base, with 4 adjustable feet and carrying handle

Tailored, customised equipment according to choice.

Series 3800 PRCD-S / 6200

Item no.	Symbols Output	Output	Input	Cable/personal protection

Series 3800 PRCD-S / 250x360x132mm Weight 5-8kg Protection category IP54
Assembly variants

Item no.	Symbols Output	Output	Input	Cable/personal protection
291353		1 CEE 5x16A/400V	3m 5x2.5mm² CEE 5x16A/400V	PRCD-S 400V/16A
291351		1 CEE 5x32A/400V	3m 5x6mm² CEE 5x32A/400V	PRCD-S 400V/32A

Illustration similar

Series 6200 / 280x275x230mm Weight ca. 6-8kg Protection category IP54
Assembly variants

Item no.	Symbols Output	Output	Input	Cable/personal protection
208405		6 protective contact 230V	CEE 5x16A/400V device connector	RCCB 25/0.03A 4p.
208981		1 CEE 5x16A/400V 3 protective contact 230V	3m 5x2.5mm² CEE 5x16A/400V	RCCB 25/0.03A 4p.
207754		1 CEE 5x16A/400V 3 protective contact 230V	3m 5x2.5mm² CEE 5x16A/400V	
209315		1 CEE 5x16A/400V 3 protective contact 230V	CEE 5x16A/400V connector plug	
208979		1 CEE 5x16A/400V 3 protective contact 230V	3m 5x6,0mm² CEE 5x32A/400V	Neozed 16A Neozed 16A
207755		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 protective contact 230V	3m 5x6,0mm² CEE 5x32A/400V	Neozed 16A Neozed 16A

- can also be supplied with circuit breaker switch
- with max. 9 automated units inside located under the cover plate

Item no. 207755

Automated units under cover plate

The plus of GIFAS distributors
- Offers all advantages of the material rubber
- All external metal parts made from rust-proof material
- Solid rubber sockets with nickel-plated contact sleeves
- Fuse elements protected with special shock-resistant cover
- SS screws set in rust-proof brass press-fit bushings with dual anchor
- Wired ready for connection
- Maintenance-friendly structure since all parts can be exchange individually
- Protection category to IP 65
- Self-extinguishing and flame-resistant
- From series 7200 all distributor are fitted with terminal blocks
- Comply with all minimum standards requirements for equipment of Category 2 "K 2"

Tailored, customised equipment according to choice.

Industrial distributors

Series 6700 / 7900

Item no. 209311

Item no. 240184
with Marechal-sockets

Item no.	Symbols Output	Output	Input	Cable/personal protection
Series 6700 / 350x305x280mm Weight ca. 12-14kg Protection category IP54				
Assembly variants				
209311		1 CEE 5x32A/400V 1 CEE 5x16A/400V 2 protective contact 230V	3m 5x6,0mm² CEE 5x32A/400V	MCB 16A.3P.C MCB 16A.1P.B RCCB 40/0.03A 4p.
208959		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 protective contact 230V	3m 5x6,0mm² CEE 5x32A/400V	Neozed 16A Neozed 16A RCCB 40/0.03A 4p.
209307		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	MCB 32A.3P.C MCB 16A.3P.C MCB 16A.1P.B
208960		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 25A Neozed 16A Neozed 16A RCCB 63/0.03A 4p.
209516		1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 protective contact 230V	CEE 5x63A/400V device connector	Neozed 25A Neozed 16A Neozed 16A RCCB 63/0.03A 4p.
209167		1 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	3m 5x6,0mm² mit CEE 5x32A/400V	Neozed 16A Neozed 16A
209515		1 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	CEE 5x32A/400V device connector	Neozed 16A Neozed 16A
209517		1 CEE 5x63A/400V 1 CEE 5x32A/400V 1 CEE 5x16A/400V 3 protective contact 230V	CEE 5x63A/400V device connector	MCB 32A.3P.C MCB 16A.3P.C MCB 16A.1P.B RCCB 63/0.03A 4p.
240184		1 Marechal-sockets 5x90-150A/500V	1 bellmouth cable gland M 50	RCCB 125/0.03A 4p.
Series 7900 / 360x500x173mm Weight 23kg Protection category IP54				
with main switch Assembly variants				
231829		12 protective contact 230V	3m 5x6,0mm² CEE 5x32A/400V	MCB 16A.1P.C RCCB 40/0.03A 4p. for 6 protective contact each

Item no. 231829

Tailored, customised equipment according to choice.

Series 7900

Item no.	Symbole Output	Output	Input	LCable / personal protection

Series 7900 / 360x500x173mm Weight 23kg Protection category IP54
Assembly variants

209257		2 CEE 5x16A/400V 6 protective contact 230V	CEE 5x32A/400V device connector	Neozed 16A MCB 16A.1P.B RCCB 40/0.03A 4p. RCCB 40/0.03A 4p.
210631		1 CEE 5x32A/400V 2 CEE 5x16A/400V 9 protective contact sockets 230V	3m 5x6,0mm² CEE 5x32A/400V	Neozed 25A Neozed 16A Neozed 16A RCCB 40/0.03A 4p. f.6 protective contacts RCCB 40/0.03A 4p. f. remaining sockets
230776		1 CEE 5x32A/400V 4 CEE 5x16A/400V 3 protective contact sockets 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 25A Neozed 16A Neozed 16A RCCB 63/0.03A 4p. for CEE RCCB 25/0.03A 4p. for protective contact
210884		2 CEE 5x32A/400V 6 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 25A MCB 16A.1P.B RCCB 63/0.03A 4p. RCCB 40/0.03A 4p.
233393		2 CEE 5x32A/400V 4 CEE 5x16A/400V 3 protective contact sockets 230V	3m 5x16.0mm² CEE 5x63A/400V	MCB 32A.3P.C MCB 16A.3P.C MCB 16A.1P.B RCCB 63/0.03A 4p. for CEE 32A and protective contact RCCB 63/0.03A 4p. for CEE 16A
210630		1 CEE 5x32A/400 V 2 CEE 5x16A/400 V 10 protective contact 230V	3m 5x6,0mm² CEE 5x32A/400V	Neozed 25A Neozed 16A Neozed 16A RCCB 40/0.03A 4p.
204298		1 CEE 5x63A/400V 2 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	3m 5x16.0mm² CEE 5x63A/400V	Neozed 63A Neozed 25A Neozed 16A Neozed 16A RCCB 63/0.03A 4p.
211029		2 CEE 5x63A/400V 2 CEE 5x32A/400V 3 protective contact 230V	CEE 5x125A/400V device connector	Neozed 63A Neozed 25A Neozed 16A RCCB 125/0.03A 4p.
277359		12 protective contact sockets 230V	CEE 5x32A/400V device connector	12 MCB 16A.1P.C 12 RCCB 40/0.03A 4p. for 6 protective contact

7900 engraving according to customers requirements

7900 buildin in a protective aluminum frame

- with max. 51 automated units (17 per transparent protective cap), with 4 adjustable feet and 1 or 2 carrying handles
- Distributor equipped with transport handle and leveling feet

Tailored, customised equipment according to choice.

GIFAS ELECTRIC

Moveable distributors

Item no.	Symbols Output	Output	Input	Cable/personal protection
Distributor 7900 / 360x500x173mm Protection category IP54 **Zinc-plated chassis / 450x977x447mm Weight ca. 55kg**				
209455		1 CEE 5x63A/400V 1 CEE 5x32A/400V 2 CEE 5x16A/400V 6 protective contact sockets 230V	3m 5x16mm² CEE 5x63A/400V	Neozed 32A Neozed 16A 6 MCB 16A.1P.B RCCB 63/0.03A 4p. for all CEE RCCB 40/0.03A 4p. for all protective contacts, IP54
279096		1 CEE 5x63A/400V 1 CEE 5x32A/400V 2 CEE 5x16A/400V 6 protective contact sockets 230V	3m 5x16mm² CEE 5x63A/400V	Neozed 32A Neozed 16A 6 MCB 16A.1P.B RCCB 63/0.03A 4p. for all CEE RCCB 40/0.03A 4p. for all protective contacts, IP67
Distributor 7400 / 265x370x132mm Protection category IP54 **Hand truck / 566x1200x560mm Weight ca. 81kg**				
233431		1 CEE 5x32A/400V 1 CEE 5x16A/400V 2 protective contact 230V	40m 5x6mm² CEE 5x32A/400V	1 MCB 16A.3P.C 2 MCB 16A.1P.B RCCB 40/0.03A 4p.
Distributor 7800 / 360x500x133mm Protection category IP54 **Sheet steel cable reel red 521 movable / 720x1130x775mm Weight ca. 90kg**				
207356		2 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact 230V	25m 5x16mm² CEE 5x63A/400V	Neozed 32A Neozed 16A 3 MCB 16A.1P.B RCCB 25/0.03A 4p.

Item no. 209455
Zinc-plated chassis

Item no. 279096
Zinc-plated chassis

Item no. 233431
Hand truck

Item no. 207356
Sheet steel cable reel red 521 moveable

mobile distributors are available
- mounted on a chassis or
- fixed in on a portable folding frame

Tailored, customised equipment according to choice.

Inspection trolley / Mobil electronic frequency converter / Test unit

These products are equipped entirely in accordance with your wishes and requirements. Our experience and your needs are perfectly tuned to produce the ideal solution. The possibilities are virtually limitless.

Possible areas of use

aircraft construction, automotive industry, tool manufacturing, major inspections, assembly, large-scale construction sites, testing and assembly stations in industry, concerts and festivals, theatre stages

Installation possibilities

transformers (three-phase current, safety or isolating transformers), control elements, measuring equipment, fuse elements, control lights, insulation monitors, plug connectors, and much more

Test unit

Inspection trolley

Inspection trolley

Mobile frequency converter

Inspection trolley „3 in 1" - transformer, big cable reel, trailer, rotary current transformer

Tailored, customised equipment according to choice.

Use cases mobile distributor

Use cases mobile distributor

GIFAS
ELECTRIC

WE ARE EXPERTS IN YOUR FIELD

Construction industry
Industrial sector
Safety equipment

Mobile distributors

Online products available at www.gifas.de/en

Find the suitable product solution for you on our website and read all the latest news about our products.

EFFICIENT AND STABLE POWER DISTRIBUTION.

Workside power distribution boards from GIFAS: These robust, electrical jack-of-all-trades meet every requirement for demanding outdoor use in industrial and municipal settings, as well as on construction sites. In daily use, the sturdy design and extra thick materials have no trouble winning people over - this applies to the standard distributors as well as to special, customised solutions.

Workside distribution boards

Workside power distribution boards - Standard range

Workside power distribution boards are connected downstream from the connection cabinets or group and main distribution boards. They distribute the power and supply the load via terminal connections or plugs and sockets.

Equipped with socket outlets up to 125A and/or terminal outlets, they are fully insulated and have a connected load of 24 to 277kVA.

Application - Workside distribution boards serve as a special feeding point in accordance with DIN VDE 0100 Part 704 for connecting cranes (earth leakage circuit breakers with I∆n ≤ 0.5 A) or large-scale energy consumers for the construction of tunnels (earth leakage circuit breakers with I∆n ≤ 0.03 A) and are usually connected downstream of a connection cabinet or a group distributor / main distribution cabinet.

Product attributes
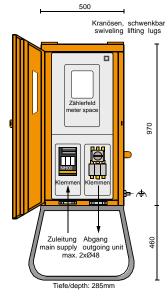
- The housing is made of galvanised sheet steel with a powder coating
  RAL 2000 (yellow-orange), optionally RAL 5000 (violet blue),
  RAL 3020 (traffic red),
  RAL 6018 (yellow-green)
- The floor frame is hot-dip galvanised
- The leaf door comes with a self-closing drop bolt (stainless steel),
  which is lockable via a padlock
- Swivelling crane eyes
- All components are isulated
- The handles are in accordance with
  DIN EN 61439-4 (VDE 0660-600-4)
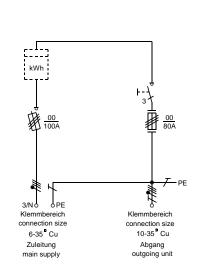
Connection point distributor with 55kVA

Technical specifications

Dimensions (WxHxD)	500x970x285mm
Protection class	IP44 (Operating front IP21)
Weight	approx. 33kg
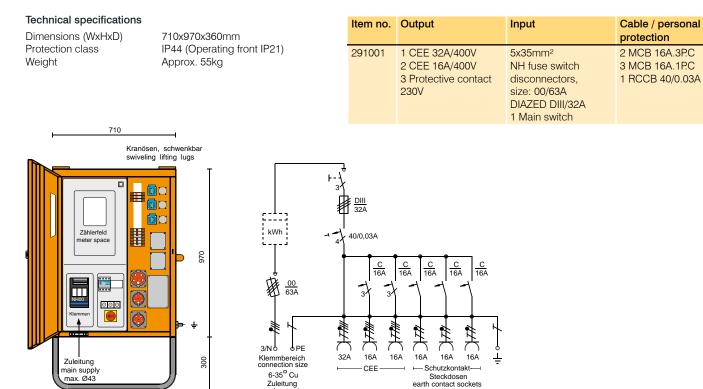
Item no.	Output	Input
291000	5x35mm² NH fuse switch disconnectors, size: 00/80A 3x35mm² terminals	5x35mm² NH fuse switch disconnectors, size: 00/100A 1 main switch

Connection point distributor with protective contact/CEE outlets, 24kVA

Technical specifications

Dimensions (WxHxD)	710x970x360mm
Protection class	IP44 (Operating front IP21)
Weight	Approx. 55kg

Item no.	Output	Input	Cable / personal protection
291001	1 CEE 32A/400V 2 CEE 16A/400V 3 Protective contact 230V	5x35mm² NH fuse switch disconnectors, size: 00/63A DIAZED DIII/32A 1 Main switch	2 MCB 16A.3P.C 3 MCB 16A.1P.C 1 RCCB 40/0.03A

710

Kranösen, schwenkbar
swiveling lifting lugs

Zählerfeld
meter space

NH00

Klemmen

970

300

Zuleitung
main supply
max. Ø43

Tiefe/depth: 360mm

kWh

3
DIII 32A

4 40/0,03A

C 16A C 16A C 16A C 16A C 16A

3 3

3/N PE
Klemmbereich
connection size
6-35 Cu
Zuleitung
main supply

00 63A

32A 16A 16A 16A 16A 16A

├── CEE ──┤ ├── Schutzkontakt- ──┤
Steckdosen
earth contact sockets

Connection point distributor with protective contact/CEE outlets, 44kVA

Technical specifications

Dimensions (WxHxD)	710x970x360mm
Protection class	IP44 (Operating front IP21)
Weight	approx. 57kg
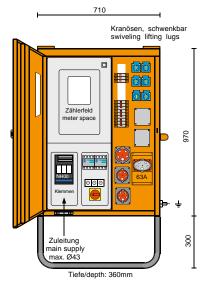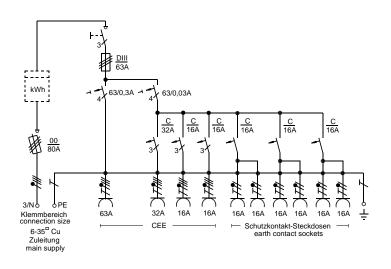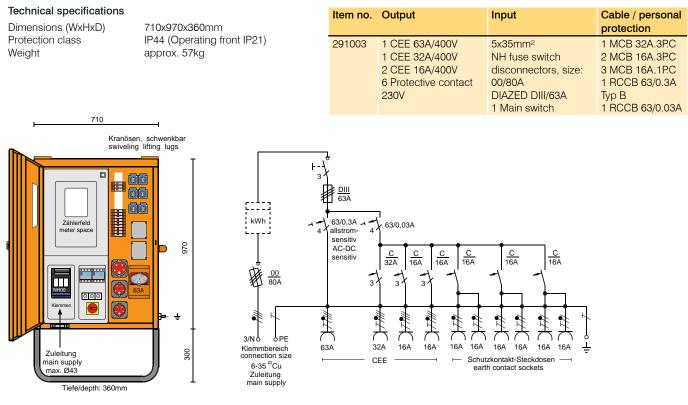
Item no.	Output	Input	Cable / personal protection
291002	1 CEE 63A/400V 1 CEE 32A/400V 2 CEE 16A/400V 6 Protective contact 230V	5x35mm² NH fuse switch disconnectors, size: 00/80A DIAZED DIII/63A 1 Main switch	1 MCB 32A.3P.C 2 MCB 16A.3P.C 3 MCB 16A.1P.C 1 RCCB 63/0.3A 1 RCCB 63/0.03A

710

Kranösen, schwenkbar
swiveling lifting lugs

Zählerfeld
meter space

NH00

Klemmen

970

300

Zuleitung
main supply
max. Ø43

Tiefe/depth: 360mm

kWh

3
DIII 63A

4 63/0,3A   4 63/0,03A

C 32A C 16A C 16A C 16A C 16A C 16A

3 3 3

3/N PE
Klemmbereich
connection size
6-35 Cu
Zuleitung
main supply

00 80A

63A 32A 16A 16A 16A 16A 16A 16A 16A 16A

├──── CEE ────┤ ├── Schutzkontakt-Steckdosen ──┤
earth contact sockets

Workside distribution boards

GIFAS ELECTRIC

Connection point distributor with protective contact/CEE outlets, 44kVA with universal current-sensitive protective devices
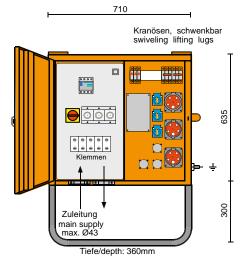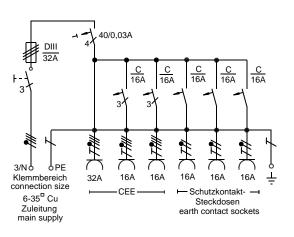
Technical specifications

Dimensions (WxHxD)	710x970x360mm
Protection class	IP44 (Operating front IP21)
Weight	approx. 57kg

Item no.	Output	Input	Cable / personal protection
291003	1 CEE 63A/400V 1 CEE 32A/400V 2 CEE 16A/400V 6 Protective contact 230V	5x35mm² NH fuse switch disconnectors, size: 00/80A DIAZED DIII/63A 1 Main switch	1 MCB 32A.3P.C 2 MCB 16A.3P.C 3 MCB 16A.1P.C 1 RCCB 63/0.3A Typ B 1 RCCB 63/0.03A

Distributor with protective contact/CEE outlets, 24kVA

Technical specifications

Dimensions (WxHxD)	710x635x360mm
Protection class	IP44
Weight	approx. 41kg
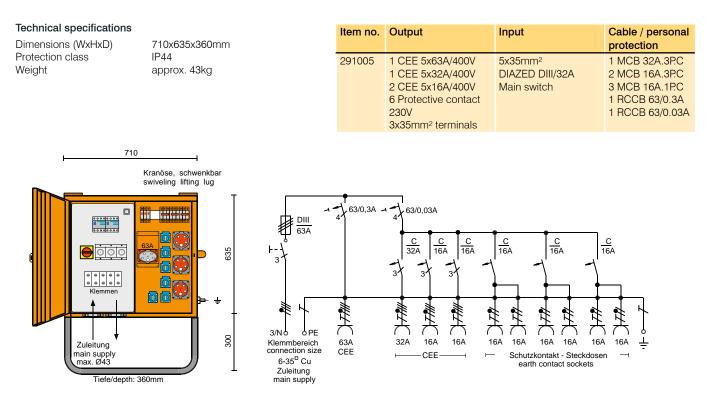
Item no.	Output	Input	Cable / personal protection
291004	1 CEE 5x32A/400V 2 CEE 5x16A/400V 3 Protective contact 230V 3x35mm² terminals	5x35mm² DIAZED DIII/32A Main switch	2 MCB 16A.3P.C 3 MCB 16A.1P.C 1 RCCB 40/0.03A

Distributor with protective contact/CEE outlets, 44kVA

Technical specifications

Dimensions (WxHxD)	710x635x360mm
Protection class	IP44
Weight	approx. 43kg

Item no.	Output	Input	Cable / personal protection
291005	1 CEE 5x63A/400V 1 CEE 5x32A/400V 2 CEE 5x16A/400V 6 Protective contact 230V 3x35mm² terminals	5x35mm² DIAZED DIII/32A Main switch	1 MCB 32A.3P.C 2 MCB 16A.3P.C 3 MCB 16A.1P.C 1 RCCB 63/0.3A 1 RCCB 63/0.03A

710

Kranöse, schwenkbar
swiveling lifting lug

DIII 63A

63A

Klemmen

635

300

Zuleitung main supply max. Ø43

Tiefe/depth: 360mm

63/0,3A 63/0,03A

3/N PE
Klemmbereich connection size 6-35□ Cu
Zuleitung main supply

63A CEE 32A 16A 16A 16A 16A 16A 16A 16A 16A

CEE CEE Schutzkontakt - Steckdosen earth contact sockets

Sub-distributor with protective contact/CEE outlets, 44kVA

Technical specifications

Dimensions (WxHxD)	710x635x360mm
Protection class	IP44
Weight	approx. 39kg

Item no.	Output	Input	Cable / personal protection
291006	1 mounted socket CEE 5x63A/400V 2 CEE 5x32A/400V 2 CEE 5x16A/400V 6 Protective contact 230V	Mounted socket connector CEE 63A/400V/5pol.	2 MCB 32A.3P.C 2 MCB 16A.3P.C 6 MCB 16A.1P.C 1 RCCB 63/0.03A 1 RCCB 40/0.03A

710

Kranösen, schwenkbar
swiveling lifting lugs

63A

635

300

Zuleitung main supply

Tiefe/depth: 360mm

63/0,03A 40/0,03A

63A CEE 63A CEE 32A 32A 16A 16A 16A 16A 16A 16A 16A 16A

Zuleitung main supply CEE Schutzkontakt- Steckdosen earth contact sockets

Workside distribution boards

Workside power distribution boards - Special solutions

Workside distribution boards
Item no. 258079

Heavy-duty requirements - as can be often found on construction sites - require special electrotechnical products. Our answer to this challenge is the incomparably sturdy design that makes our power distribution boards extremely robust. Special details in the design - from the solid stand to the stable, corrosion-resistant sheet steel housing or the electrical components packed in solid rubber housing - these are the characteristics of the GIFAS workside distribution boards. The well thought-out details in the design and construction of these products guarantee a long service life as well as easy maintenance and servicing.

Product attributes

- Built into stable, corrosion-free sheet steel housing, powder-coated with a galvanised steel base and 2 crane eyes
- The devices and sockets are built into solid rubber housings, which are electrically non-conductive and can withstand heavy mechanical loads
- extreme temperature resistance down to -40°C - regardless of the weather conditions
- Thanks to the cable entry space from below and the plug-free space, the door can also be locked when needed
- Several residual current circuit breakers increase the safety and make it easier to locate a fault
- Customer-specific assembly with plug connections and fuses
- Built according to VDE 0660, part 501

Technical data - Housing

Material	Sheet steel (housing)

Technical data - Housing

Material	Solid rubber
Temperature application range	up to -40°C
Protection class	up to IP65
Designation	K2
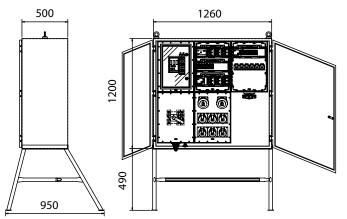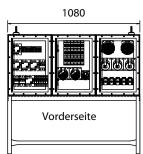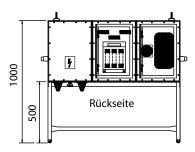
Workside power distribution boards - Special solutions

500
1260
1200
490
950

Example product No. 257505

1080
Vorderseite

1000
500
Rückseite
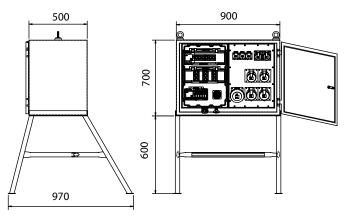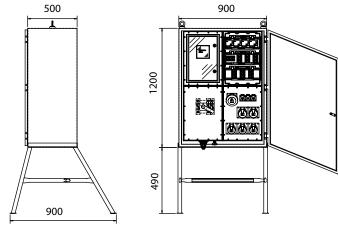
Example product No. 205150

500
900
700
600
970

Example product No. 210143

500
900
1200
490
900

Example product No. 207652

GIFAS
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WE ARE EXPERTS
IN YOUR FIELD

Construction industry

Industrial sector
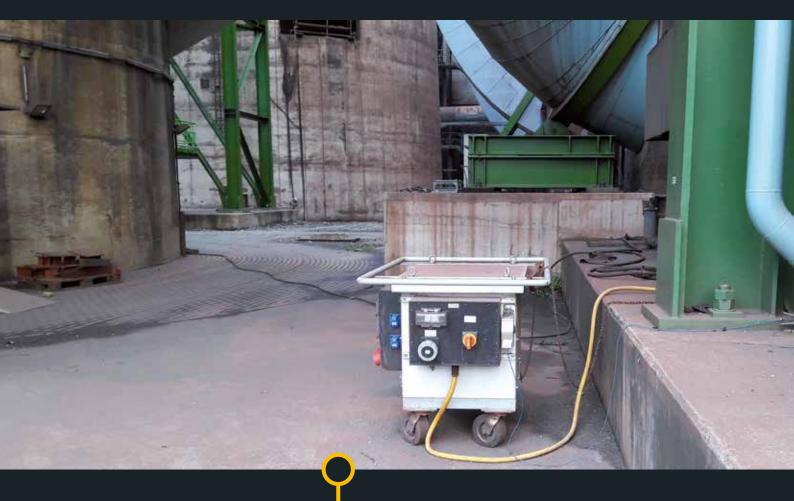
Workside power distribution boards

Online products available at www.gifas.de/en

Find the suitable product solution for you on our website and read all the latest news about our products.

THE RELIABLE CONVERSION ARTIST.

With our solid rubber transformers you'll always have your fitting solution for ensuring the construction power supply system gets exactly the right voltage. From low-voltage transformers to isolating transformers to inspection trolleys - we have what you're looking for.

General

Our series

Thanks to their mechanical and electrotechnical properties, GIFAS solid rubber safety distributors are ideally suited for use as transformer housings. From wall-mounted distributors and mobile distributors to inspection trolleys, we can supply any technical construction you need. If needed, these distributors can also be engraved with your company name, for example.

Product features

- Transformers compliant with VDE 0570 IEC 61558
- Safety-insulated housing compliant with VDE 0100 Part 410
- Sockets and plugs compliant with VDE 0623 DIN 49462/63 and EIC 309
- GS mark
- Compliance with regulations as per BVG A1, BVG A2, VDE 0100, Part 100
- Wrapped thermocouple can also be used for tangential fan control on request
- External screws made from non-rusting material and with a captive design
- Maintenance-friendly structures since all parts can be exchanged individually
- 5 years warranty on the solid rubber housing!

Overview of the various building types and weights

Type 2516	power 120 VA	weight:	4 kg
Type 6200	power 320 to 500 VA	Weight:	10 kg
Type 6700	power 630 to 1200 VA	Weight:	21 kg
Type 3500	power 2000 VA	Weight:	22 kg
Type 3800	power 2500 VA	Weight:	38 kg
Type 7900	power 3500 VA	Weight:	48 kg

Start-up current levellers are used with a power output of 1500 VA and upwards (alternating current).

BGI 594

The use of electrical equipment in the case of an increased electrical hazard.

When using electrical equipment
– in high electrical risk areas
– when there is limited freedom of movement
– when one experiences a strained posture due to the work
may increase the risk of electrical hazards for the employees.

In case of defects not all of the available protective measures guarantee a sufficient degree of safety in situations mentioned above.

When assessing a potential hazard, a distinction is made between the following:
– conductive areas with limited freedom of movement
– other conductive areas

BGI 594 recommends taking protective measures against receiving an electric shock under fault conditions (fault protection) in the above-mentioned areas. BGI 594 contains regulations for the use of fixed and mobile electrical equipment to protect persons against the threat of an electric shock in high electrical risk areas. In the aforementioned sense:

1. There is increased risk of an electrical hazard if electrical systems and equipment are operated in conductive areas with limited freedom of movement or in other conductive areas.

2. In a conductive area with limited freedom of movement when its boundaries consist essentially of metallic parts or are electrically conductive, a person may come in extensive physical contact with the surrounding boundary. In such cases the possibility of interrupting said contact is limited (defined in accordance with VDE 0100-706).

Table of dimensions for transformers

Secondary currents in A with UN in V

S in VA	U_N	24 V	42 V	230 V	3 X 42 V	3 X 400 V	3 X 500 V
120	I_n P_m	5 A 92 W	2.9 A 92 W	0.5 A 92 W			
160	I_n P_m	6.7 A 123 W	3.8 A 123 W	0.7 A 123 W			
250	I_n P_m	10.4 A 192 W	6 A 192 W	1.1 A 192 W			
320	I_n P_m	13.3 A 246 W	7.6 A 246 W	1.4 A 246 W			
500	I_n P_m	20.8 A 385 W	12 A 385 W	2.2 A 385 W			
630	I_n P_m	26.3 A 485 W	15 A 485 W	2.7 A 485 W			
1000	I_n P_m	41.7 A 770 W	23.8 A 770 W	4.3 A 770 W			
1200	I_n P_m	50 A 924 W	28.6 A 924 W	5.2 A 924 W	16.5 A 924 W		
1500	I_n P_m	62.5 A 1155 W	35.7 A 1155 W	6.5 A 1155 W	20.6 A 1155 W		
2000	I_n P_m	83.3 A 1540 W	47.6 A 1540 W	8.7 A 1540 W	27.5 A 1540 W	2.9 A 1540 W	2.3 A 1540 W
2500	I_n P_m	104.2 A 1925 W	59.5 A 1925 W	10.9 A 1925 W	34.4 A 1925 W	3.6 A 1925 W	2.9 A 1925 W
3000	I_n P_m	125 A 2310 W	71.4 A 2310 W	13 A 2310 W	41.3 A 2310 W	4.3 A 2310 W	3.5 A 2310 W
3500	I_n P_m	145.8 A 2695 W	83.3 A 2695 W	15.2 A 2695 W	48.2 A 2695 W	5 A 2695 W	4 A 2695 W
4000	I_n P_m	166.7 A 3080 W	95.2 A 3080 W	17.4 A 3080 W	55 A 3080 W	5.7 A 3080 W	4.6 A 3080 W
6000	I_n P_m	250 A 4620 W	142.9 A 4620 W	26.1 A 4620 W	82.6 A 4620 W	8.6 A 4620 W	6.9 A 4620 W

A = Apparent power (transformer output)
I_n = Rated current of the transformer
P_m = Connectable engine output at (cos. = 0.77)

Static safety transformers

Series 2516 / 3800

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
Designs with toroidal core transformer						
Series 2516 / 160 x 250 x 90 mm						
211118		1 CEE 2x16A/24 V	120	230/24	1 thermal overload cut-out switch	0.6
211119		1 CEE 2x16A/42 V	120	230/42	1 thermal overload cut-out switch	0.6
211120		1 CEE 2x16A/24 V	160	230/24	1 thermal overload cut-out switch	0.8
211123		1 CEE 2x16A/42 V	160	230/42	1 thermal overload cut-out switch	0.8
Designs with block transformer						
Series 3800 / 250 x 360 x 133 mm						
262227		2 CEE 2x16A/24V	320	230/24	1 thermal overload cut-out switch	1.6
261018		2 CEE 2x16A/42V	320	230/42	1 thermal overload cut-out switch	1.6
262250		2 CEE 2x16A/24V	500	230/24	1 thermal overload cut-out switch	2.0
262251		2 CEE 2x16A/42V	500	230/42	1 thermal overload cut-out switch	2.0
211127		2 CEE 2x16A/24V	630	230/24	1 thermal overload cut-out switch	3.0 / microf. 16
242142		2 CEE 2x16A/42V	630	230/42	1 thermal overload cut-out switch	3.0

Other equipment upon request.

Static safety transformers

Series 3900 / 7900

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC

Designs with block transformer

Series 3900 / 250 x 360 x 173 mm

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
211201		3 CEE 2x16A/24V	1000	230/24	1 thermal overload cut-out switch	5.0 / microf. 16
211250		3 CEE 2x16A/42V	1000	230/42	1 thermal overload cut-out switch	5.0 / microf. 16
211261		3 CEE 2x16A/24V	1200	230/24	1 thermal overload cut-out switch	6.0 / microf. 16
211252		3 CEE 2x16A/42V	1200	230/42	1 thermal overload cut-out switch 1 ICL	6.0 / microf. 16
211262		4 CEE 2x16A/24V	1500	230/24	1 thermal overload cut-out switch 1 ICL	7.0 / microf. 16
211253		3 CEE 2x16A/42V	1500	230/42	1 thermal overload cut-out switch 1 ICL	7.0 / microf. 16

Designs with block transformer

Series 7900 / 500 x 360 x 173 mm

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
211264		6 CEE 2x16A/24V	2000	230/24	1 thermal overload cut-out switch 1 ICL	10.0 / microf. 16
211255		6 CEE 2x16A/42V	2000	230/42	1 thermal overload cut-out switch 1 ICL	10.0 / microf. 16
211208		6 CEE 2x16A/24V	2500	230/24	1 thermal overload cut-out switch 1 ICL	12.0 / microf. 16
211258		6 CEE 2x16A/42V	2500	230/42	1 thermal overload cut-out switch 1 ICL	12.0 / microf. 16
211259		6 CEE 2x16A/42V	3000	230/42	1 thermal overload cut-out switch 1 ICL	16.0 / microf. 16

Other equipment upon request.
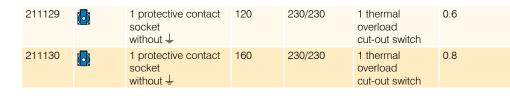
Static isolating transformers

Series 2516 / 3800 / 3900 / 7900

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
Designs with toroidal core transformer						
Series 2516 / 160 x 250 x 90 mm						
211129		1 protective contact socket without ⏚	120	230/230	1 thermal overload cut-out switch	0.6
211130		1 protective contact socket without ⏚	160	230/230	1 thermal overload cut-out switch	0.8
Designs with block transformer						
Series 3800 / 250 x 360 x 133 mm						
262258		1 protective contact socket without ⏚	320	230/230	1 thermal overload cut-out switch	1.6
262259		1 protective contact socket without ⏚	500	230/230	1 thermal overload cut-out switch	2.0
242143		1 protective contact socket without ⏚	630	230/230	1 thermal overload cut-out switch	3.0
Designs with block transformer						
Series 3900 / 250 x 360 x 173 mm						
211192		1 protective contact socket without ⏚	1000	230/230	1 thermal overload cut-out switch	5.0
211196		1 protective contact socket without ⏚	1200	230/230	1 thermal overload cut-out switch	6.0
211244		1 protective contact socket without ⏚	1500	230/230	1 thermal overload cut-out switch 1 ICL	7.0
211245		1 protective contact socket without ⏚	2000	230/230	1 thermal overload cut-out switch 1 ICL	10.0
Designs with block transformer						
Series 7900 / 500 x 360 x 173 mm						
211246		1 protective contact socket without ⏚	2500	230/230	1 thermal overload cut-out switch 1 ICL	12.0
211247		1 protective contact socket without ⏚	3500	230/230	1 thermal overload cut-out switch 1 ICL	16.0
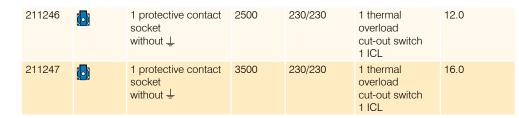
Illustration similar

Other equipment upon request.

Series 2516 / 6200 / 6700

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC

Designs with toroidal core transformer

Series 2516 / 250 x 160 x 90 mm

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
208768		1 CEE 2x16A/24V	120	230/24	1 thermal overload cut-out switch	0.6
208628		1 CEE 2x16A/42V	120	230/42	1 thermal overload cut-out switch	0.6
209431		1 CEE 2x16A/24V	160	230/24	1 thermal overload cut-out switch	0.8
209430		1 CEE 2x16A/42V	160	230/42	1 thermal overload cut-out switch	0.8

Designs with block transformer

Series 6200 / 280 x 275 x 230 mm

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
208045		2 CEE 2x16A/24V	320	230/24	1 thermal overload cut-out switch	1.6
208353		2 CEE 2x16A/42V	320	230/42	1 thermal overload cut-out switch	1.6
208093		2 CEE 2 x16A/24V	500	230/24	1 thermal overload cut-out switch	2.0
208094		2 CEE 2x16A/42V	500	230/42	1 thermal overload cut-out switch	2.5

Designs with block transformer

Series 6700 / 350 x 305 x 280 mm

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
210939		2 CEE 2x16A/24V	630	230/24	1 thermal overload cut-out switch	3.0 / microf. 16
209379		2 CEE 2x16A/42V	630	230/42	1 thermal overload cut-out switch	3.0
208899		4 CEE 2x16A/24V	1000	230/24	1 thermal overload cut-out switch	5.0 / microf. 16
208897		4 CEE 2x16A/42V	1000	230/42	1 thermal overload cut-out switch	5.0 / microf. 16
208570		4 CEE 2x16A/24V	1200	230/24	1 thermal overload cut-out switch	6.0 / microf. 16
208382		4 CEE 2x16A/42V	1200	230/42	1 thermal overload cut-out switch	6.0 / microf. 16

Other equipment upon request.

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Series 3500 / 7900

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
Designs with block transformer						
Series 3500 / 360 x 250 x 360 mm						
210996		4 CEE 2x16A/24V	1500	230/24	1 thermal overload cut-out switch 1 ICL	7.0 / microf.16
211000		4 CEE 2x16A/42V	1500	230/42	1 thermal overload cut-out switch 1 ICL	7.0 / microf.16
211002		6 CEE 2x16A/24V	2000	230/24	1 thermal overload cut-out switch 1 ICL	10.0 / microf.16
211006		6 CEE 2x16A/42V	2000	230/42	1 thermal overload cut-out switch 1 ICL	10.0 / microf.16
Designs with block transformer						
Series 7900 / 500 x 360 x 173 mm						
240790		6 CEE 2x16A/24V	2500	230/24	1 thermal overload cut-out switch 1 ICL	12.0 / microf.16
240182		6 CEE 2x16A/42V	2500	230/42	1 thermal overload cut-out switch 1 ICL	12.0 / microf.16
211020		8 CEE 2 x16A/24V	3000	230/24	1 thermal overload cut-out switch 1 ICL	15.0 / microf.16
211030		8 CEE 2x16A/42V	3000	230/42	1 thermal overload cut-out switch 1 ICL	15.0 / microf.16
211033		10 CEE 2x16A/24V	3500	230/24	1 thermal overload cut-out switch 1 ICL	15.0 / microf.16
211058		10 CEE 2x16A/42V	3500	230/42	1 thermal overload cut-out switch 1 ICL	15.0 / microf.16

Other equipment upon request.

Mobile isolating transformers

Series 2516 / 3500 / 3900 / 6200 / 6700 / 7900

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
Designs with toroidal core transformer						
Series 2516 / 250 x 160 x 90 mm						
208629		1 protective contact socket without ⏚	120	230/230	1 thermal overload cut-out switch	0.6
210937		1 protective contact socket without	160	230/230	1 thermal overload cut-out switch	0.8
Designs with block transformer						
Series 3500 / 360 x 250 x 360 mm						
203728		1 protective contact socket without ⏚	1500	230/230	1 thermal overload cut-out switch 1 ICL	7.0
203732		1 protective contact socket without ⏚	2000	230/230	1 thermal overload cut-out switch 1 ICL	10.0
Designs with block transformer						
Series 3900 / 250 x 360 x 173 mm						
236690		1 protective contact socket without ⏚	2500	230/230	1 thermal overload cut-out switch 1 ICL	12.0
Designs with block transformer						
Series 6200 / 280 x 275 x 230 mm						
210938		1 protective contact socket without ⏚	320	230/230	1 thermal overload cut-out switch	1.6
208095		1 protective contact socket without ⏚	500	230/230	1 thermal overload cut-out switch	2.5
Designs with block transformer						
Series 6700 / 350 x 305 x 280 mm						
208900		1 protective contact socket without ⏚	1000	230/230	1 thermal overload cut-out switch	5.0
209108		1 protective contact socket without ⏚	1200	230/230	1 thermal overload cut-out switch	6.0
263293		1 protective contact socket without ⏚	2500	230/230	1 thermal overload cut-out switch	12.0
Designs with block transformer						
Series 7900 / 500 x 360 x 173 mm						
210355		1 protective contact socket without ⏚	3500	230/230	1 thermal overload cut-out switch 1 ICL	16.0
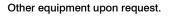
Other equipment upon request.

Mobile isolating safety transformers

GIFAS ELECTRIC

Mobile isolating safety transformers with multiple separate coils

Series 7900 / 500 x 360 x 173 mm
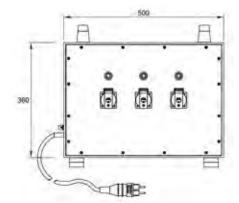
Application

- In conductive areas with limited freedom of movement
- For use compliant with VDE 0100 Part 706

For the current supply to hand-held electrical tools and measuring equipment, according to VDE 0100 Part 706, either:
- safety low voltage or
- safety isolation is required, with each secondary coil in the isolating transformer only being allowed to supply a single consumer. An isolating transformer can have various secondary coils.

Item no.	Symbols Output	Output	Power in VA	Voltage in V	Built-in	Protective devices in A PRI / SEC
211336		3 protective contact sockets	3000VA 230V	1000VA/230V 1000VA/230V 1000VA/230V	1 thermal overload cut-out switch 1 ICL	15.0 / microf.16
211340		1 protective contact socket 2 CEE 2x16A/24V	3000VA 230V	2500VA/230V 500VA/24V	1 thermal overload cut-out switch 1 ICL	15.0 / microf.16
211343		1 protective contact socket 2 CEE 2x16A/42V	3000VA 230V	2500VA/230V 500VA/42V	1 thermal overload cut-out switch 1 ICL	15.0 / microf.16

Mobile transformers

Transformer on zinc-plated chassis

Technical data

Max. transformer power:	4kVA
Dimensions of distributor:	500x360x173 mm
Dimensions of chassis:	566x1250x560 mm
Weight:	approx. 70 kg
Protection category:	IP 54

Item no. 210333, Fig. similar

Transformer on zinc-plated special hand cart

Technical data

Max. transformer power:	12.5 kVA
Dimensions WxHxD:	560x1200x590 mm
Weight:	approx. 200 kg
Protection category:	IP 54

Item no. 246321

Item no.	Symbols Output	Output	Input	Built-in	Cable protection / personal safety
210333		10 CEE 2x16A/42V	4m 5x6 mm² CEE 5x32A/400V	1 4kVA safety transformer, 400V/42V, 50 Hz compliant with VDE 0551 primary side pre-fused via 1 6-10 A 3-pin motor circuit breaker, thermal rated current set to 10A	MCB 16A 1p. B
246321		1 CEE 5x16A/400V 3 protective contact sockets	3m 5x2.5 mm² CEE 5x16A/400V	1 12.5 kVA three-phase current isolating transformer Primary: 3x400V/ 50Hz Secondary: 1 3x400V coil, 50Hz, 6KVA, 1 intermediate pickup 3.5 KVA, 230 V, 1 intermediate pickup 2.5 KVA, 230 V	Motor circuit breaker 3p., thermal rated current, set to 14A 16A Neozed fuses

Inspection trolleys

500Volt inspection trolley with 5 metre Proflexx 07 cable

Product features

- Solid rubber distributor 7900 + 3800 attached to a 55 kVA three-phase current transformer in sheet steel housing with 2 castor and 2 fixed wheels as well as impact protection at the top
- Primary: 3x500V/50 Hz, Secondary: 3x400V/50 Hz
- Switching group Dyn 5 as perVDE 0570
- Dimensions: LxHxD = 1050x1250x760mm
- Weight: approx. 400kg

Technical data

Input:	5m Proflexx-07 cable 4x16mm^2 with CEE plug 4x63 A/500V
Output:	1 CEE 5x63A/400V, 1 CEE 5x32A/400V, 2 CEE 5x16A/400V, 2 CEE 3x16A/230V, 2 protective contact 230V 1 leakage current circuit breaker switch 63/0.03A 1 leakage current circuit switch 40/0.03A
Built-ins:	1 63A main switch 1 EMERGENCY STOP push-button

Inspection trolley with zinc-plated steel underframe, shock and impact protection, cable winding device, 4 crane eyelets

400Volt inspection trolley with 3 metre Proflexx 07 cable

Product features

- Solid rubber 7900 distributor mounted onto a zinc-plated steel underframe with shock and impact protection at the top and bottom, with 2 castor and 2 fixed wheels and 4 crane eyelets
- Dimensions: LxWxH: 1030x700x910mm
- Weight: approx. 250kg

Technical data

Input:	3 m PROFLEXX-07 cable 5x16mm^2 with CEE plug 5x63 A/400V
Output:	1 CEE 5x63 A/400V, 2 CEE 5x32A/400V 3 CEE 5x16 A/400V, 2 CEE 3x16A/230V 10 230V protective contact 4 63/0.03A leakage current circuit breaker switch es
Built-ins:	1 63A 3-pin main switch 1 EMERGENCY STOP push-button

"3 in 1" inspection trolley
Transformer, large cable reel and trailer

Product information

- Inspection trolley, painted sheet steel housing on flatbed truck
- Flatbed trailer with towing bar
- Approval for public road use possible

Technical data

Three-phase current transformer:	100KVA / 500/400Volt
Sheet steel cable reel:	2x type 523 with brake
Cables:	80m H07RN-F, 4x35qmm, 500Volt side 80m H07RN-F, 5x35qmm, 400Volt side
Total weight:	approx. 1,800 kg
Overall dimensions:	4490x2010x1230mm

Other designs and equipment available upon request.

GIFAS
ELECTRIC

WE ARE EXPERTS IN YOUR FIELD

Construction industry
Industrial sector
Safety equipment

Transformers

Online products available at www.gifas.de/en

Find the suitable product solution for you on our website and read all the latest news about our products.

UNSEEN BUT ALWAYS READY.

GIFAS underfloor distributors harmoniously integrate supply technology for electricity, water, sewage, compressed air and media. They are space-saving and ready-to-use on request in your vicinity - they are quick to start and highly resilient without being seen.
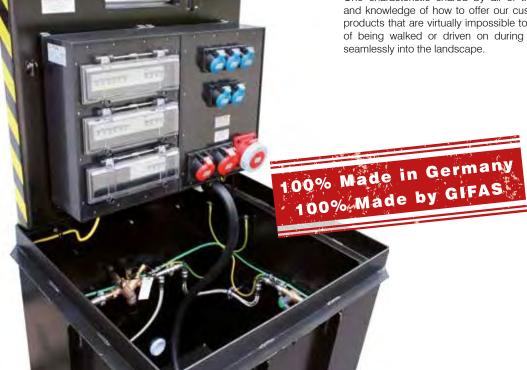
General

Thanks to underfloor distributors from GIFAS ELECTRIC, electrical power is quickly available anywhere and without time-consuming installation work! Power, media and water distributors integrated invisibly into the cityscape, designed with long service and ease of maintenance in mind.

Over the following pages, you will see a synopsis of the advantages of our high-quality components and materials, and how we can help you, step by step, towards a future-proof underfloor distributor system that meets your individual preferences and requirements. We also pay close attention to reliability and product quality. "MADE in GERMANY".

To offer you the right product for every application, GIFAS has a number of different underfloor distributor systems of varying function, size and application in its portfolio.

One characteristic shared by all of the products is the uniqueness and knowledge of how to offer our customers tailored, VDE-compliant products that are virtually impossible to vandalise, remain fully capable of being walked or driven on during operation and which integrate seamlessly into the landscape.

Classification and areas of application

Classification

DIN EN 124	A15	B125	C250	D400	F900
Test load inkN	15	125	250	400	900
Test load in t	1.5	12.5	25	40	90

Areas of application

	A15	B125	C250	D400	F900
Private sector	x				
Pedestrian precincts	x	x	x	x	
Parking spaces		x	x	x	
Marketplaces		x	x	x	
Industrial applications		x	x	x	x
Airports				x	x

Properties

Body and cover
The body of the underfloor distributor is made from stainless steel up to 6 mm thick, which is impervious to seismic movement, moisture, rodents and other environmental influences. The cover is also made from 6 mm stainless steel and can be designed to withstand the F900 weight class.

Solid rubber
All solid rubber distributors from GIFAS ELECTRIC are made from 100% vulcanised, self-extinguishing butyl rubber (Shore hardness 97), compliant with VDE 0471 Part 2.2. They are resistant to oils, various acids and alkalis, and are impervious to weld and spark showers. The solid rubber distributors we use mean that condensation build-up in the distributor caused by temperature fluctuations can be reliably ruled out.

C-SAFE (at customer's request)
The cable outlet guard is designed so that its flat and rounded construction presents no obstacle, trip hazard or sharp edges. The underfloor distributor system can be walked on or driven over without limit during operation, with supply lines being fully protected.

Gas springs
Gas springs assist with the opening and closing of the underfloor distributor system. They are not susceptible to faults, similar to those that are installed in the boot of your car.

Load classes
GIFAS underfloor distributor systems offer you the following types according to the DIN 124 load classes: A15 (pedestrian walkways and cycle lanes), B125 (truck and parking spaces), D400 (heavy goods vehicles) and F900 (airports and production halls with forklift truck traffic).

Substructures
These are designed so that you can choose underfloor distributor systems suitable for your cable depths. From TYPE 86-2 concrete shafts (telecoms shafts) with a steel body to DIN 4034-2 concrete rings, we offer you everything from depths of 50 cm to 2 m. Custom depths are also possible.

Ready-to-connect delivery
The underfloor distributor systems are supplied ready for connection and can be hooked up easily and effortlessly to the existing power network by an electrician.

Submersible bell (at customer's request)
In areas prone to flooding, underfloor distributors can be equipped with a submersible bell. The principle is similar to an inverted glass in a bowl filled with water. A bell of air forms around the solid rubber distributor, protecting the components from moisture.

General

Model overview

PIAZZA

Technical data	PIAZZA 580	PIAZZA 700	PIAZZA 1000	PIAZZA 2000
Area of use	Internal / external area	Internal / external area	Internal / external area	Internal / external area
Classification as per DIN EN 124	400kN (40t) / D400	400kN (40t) / D400	400kN (40t) / D400	900kN (90t) / F900
Cover achievement	Covers can be individually filled / paved	Covers can be individually filled / paved	Covers can be individually filled / paved	Covers can be individually filled / paved
Cover measurements	580x550x70mm	700x700x70mm	1000x1000x70mm	700x700x70mm
Cover heating	Yes	Yes	Yes	Optional
Submersible bell	Optional	Optional	Optional	Optional
Weight	Approx. 350kg	Approx. 450kg	Approx. 780kg	Approx. 280 kg (without concrete ring)
Installation depth	Approx. 1200mm	Approx. 1300mm	Approx. 1300mm	Approx. 310mm plus distributor and fittings
GIFAS solid rubber distributors	3800 series	7800 series	7800/7900 series	7800 series

CAMPETTO

Technical data	CAMPETTO V	CAMPETTO VI	CAMPETTO VII	CAMPETTO VIII
Area of use	Internal / external area	Internal / external area	Internal / external area	Internal / external area
Classification as per DIN EN 124	15kN (1.5t) / A15 Optional B125	125kN (12.5t) / B125	15kN (1.5t) / A15 Optional B125	125kN (12.5t) / B125
Cover achievement	Stainless steel non-slip steel floor plate, can be supplied in two sizes	Covers can be individually filled / paved, can be supplied in two sizes	Stainless steel non-slip steel floor plate	Covers can be individually filled / paved
Cover measurements	628x435mm / 778x535mm	628x435mm / 778x535mm	880x992mm	880x992mm
Cover heating	Optional	Optional	Optional	Optional
Submersible bell	Optional	Optional	Optional	Optional
Weight	Approx. 60kg	Approx. 70kg	Approx. 250kg	Approx. 250kg
Installation depth	Depending on design 500 or 670mm	Depending on design 500 or 670mm	1000mm	1000mm
GIFAS solid rubber distributors	7200 - 7900 series	7200 - 7900 series	7200 - 7900 series	7200 - 7900 series

RETRANT / PICCOLINO

Technical data	RETRANT	PICCOLINO 120	PICCOLINO 200
Area of use	Underfloor distributors for restricted spaces	Underfloor distributors for restricted spaces	Underfloor distributors for restricted spaces
Classification as per DIN EN 124	15kN (1.5t) / A15	2kN (200kg)	250kN (25t) / C250
Cover	Stainless steel non-slip steel floor plate / 340x240mm	Stainless steel non-slip steel floor plate / 120x120mm	Stainless steel non-slip steel floor plate / 200x200mm
Weight	Approx. 25kg	Approx. 4.2kg	Approx. 7.5kg
Installation depth	Approx. 420mm	Approx. 400mm	Approx. 400mm
GIFAS solid rubber distributors	Series 2516, protection category IP65 Equipment options Individual as per the client's wishes	2m H07 Leitung 3x2.5mm^2 1 protective contact coupling 16A/230V (IP 68) or 1 CEE coupling 16A/400V (IP67)	2m H07 Leitung 3x2.5mm^2 1 protective contact coupling 16A/230V (IP 68) or 1 CEE coupling 5x16A/400V (IP 67) or 1 CEE coupling 5x32A/400V (IP 67)

Model overview

PIAZZA
Product features

- Can be locked, walked on or driven over during operation
- Cover can be filled with surrounding material or designed as a floor plate
- Secured against unauthorised opening (vandal-proof!)
- Gas springs for force-free, assisted opening
- Frost-proof operation thanks to cover heating
- If required with submersible bell
- Maintenance-free GIFAS solid rubber distributor system guarantees optimum operating safety down to -40°C
- No formation of condensation thanks to the GIFAS solid rubber distributor
- Resistant to environmental influences
- Stainless steel construction, all metal parts made from V2A
- Visible reflectors on the opened cover system
- Distributor fastening on the underside of the cover
- The connector distributor can be accessed when installed (E-check - DGUVA3)
- Pit covers, locks and distributors can be replaced

Locking system

CAMPETTO
Product features

- Can be locked, walked on or driven over during operation
- Cover can be filled with surrounding material or designed as a floor plate
- Secured against unauthorised opening (vandal-proof!)
- Gas springs for force-free, assisted opening
- Frost-proof operation thanks to cover heating option
- If required with submersible bell
- Maintenance-free GIFAS solid rubber distributor system guarantees optimum operating safety down to -40°C
- No formation of condensation thanks to the GIFAS solid rubber distributor
- Resistant to environmental influences
- Stainless steel construction, all metal parts made from V2A
- Visible reflectors on the opened cover system
- Cover pit can be removed by loosening the screws for maintenance purposes
- Distributor fastening on the underside of the cover
- The connector distributor can be accessed when installed (E-check - DGUVA3)
- Pit covers, locks and distributors can be replaced

Locking system

RETRANT / PICCOLINO

!

Product features
The features of the RETRANT and PICCOLINO models can be found on pages 88 and 89.

RETRANT
Locking system

PICCOLINO
Locking system

General

Installation and assembly procedure PIAZZA

Excavating the installation pit

Customer-side concrete ring

Insertion of the unit

Insertion of the entire unit into the prepared installation pit

Levelling of the whole unit

Decanting and concreting-in

Adaptation to the surroundings with filler material

!

Underfloor systems involving fresh water
With underfloor systems involving fresh water, the terminal distributor must be hung on the side opposite the water tap!

Fully installed PIAZZA

Installation and assembly procedure CAMPETTO

Excavating the installation pit

Topping up the installation pit

Insertion of the unit

Filling

Decanting and concreting-in

Adaptation to the surroundings with filler material

Fully installed CAMPETTO

PIAZZA

PIAZZA 580 (D400)

Solid stainless steel construction (V2A/1.4301) 580x580mm, load capacity up to 400kN, gas springs for fully automatic opening, shaft cover can be custom-filled, distributor as per the client's request.
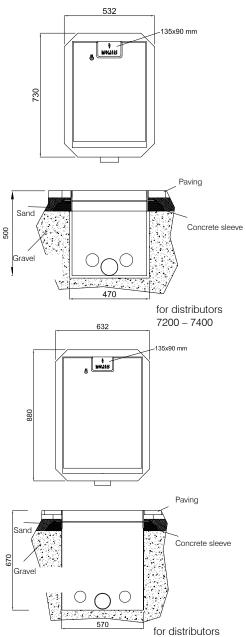
Technical additions

Cover filling:	The pit with a depth of 70mm can be custom-filled to blend in with its surroundings
Cable exit flap:	(180x130mm) integrated into the shaft cover frame
Locking:	A self-cleaning lock with snap fastener closes the shaft cover
	Cable exit flap secured with a double bit lock (locking tool included in the scope of delivery)
Heating:	To prevent the Floor Pit from being frozen in the closed position, a thermostatically controlled heating band is built into the lid of the Floor Pit housing.

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

Concrete sleeve around the entire circumference of the cover (construction side)

Pit depth approx. 70mm

580

192

Earthing cross-clamp for the connection of 30x3mm earthing strip

Concrete ring DN600 H=470mm

470

Concrete shaft on the construction side from the customer DN600 h=500mm

500

Feed-in from below, alternatively from the side

Ø600

Cable outlet

190

540

580

140

540

580

PIAZZA 580 3D view

Supplied package
Stainless steel construction with
- fillable shaft cover
- solid rubber electrical distributor
- junction box
Fully assembled and wired.
Mounted on concrete ring (H=470mm, NW=600mm).
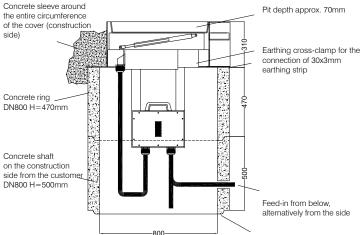
PIAZZA 700 (D400)

Solid stainless steel construction (V2A/1.4301) 700x700 mm, load capacity up to 400kN, gas springs for fully automatic opening, shaft cover can be custom-filled, distributor as per the client's request.

Technical additions

Cover filling:	The pit with a depth of 70mm can be custom-filled to blend in with its surroundings.
Cable exit flap:	(180x130mm) integrated into the shaft cover frame
Locking:	A sturdy closing mechanism (with snap lock) closes the shaft cover and it can also be secured with a shackle lock. Cable exit flap secured with a double bit lock (locking tool included in scope of delivery).
Heating:	To prevent the Floor Pit from being frozen in the closed position, a thermostatically controlled heating band is built into the lid of the Floor Pit housing.

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

Supplied package

Stainless steel construction with
- fillable shaft cover
- solid rubber electrical distributor
- junction box

Fully assembled and wired.
Mounted on concrete ring (H=470mm, NW=800mm).

Concrete sleeve around the entire circumference of the cover (construction side)

Pit depth approx. 70mm

Earthing cross-clamp for the connection of 30x3mm earthing strip

Concrete ring DN800 H=470mm

Concrete shaft on the construction side from the customer DN800 H=500mm

Feed-in from below, alternatively from the side

800

Cable outlet

700

190

140

700

PIAZZA 700
3D view

PIAZZA

PIAZZA 1000 (D400)

Cable exit with C-SAFE

Solid stainless steel construction (V2A/1.4301) 1000x1000mm, load capacity up to 400kN, gas springs for fully automatic opening, shaft cover can be custom-filled, distributor as per the client's request.
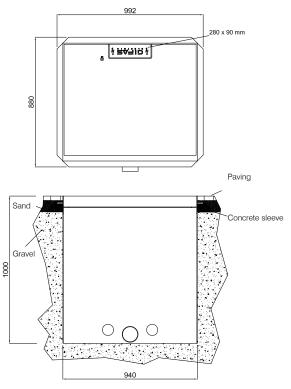
Technical additions

Cover filling:	The pit with a depth of 70mm can be custom-filled to blend in with its surroundings.
Cable exit flap:	(180x130mm) integrated into the shaft cover frame.
Locking:	A sturdy closing mechanism (with snap lock) closes the shaft cover and it can also be secured with a shackle lock. Cable exit flap secured with a double bit lock (locking tool included in scope of delivery).
Heating:	To prevent the Floor Pit from being frozen in the closed position, a thermostatically controlled heating band is built into the lid of the Floor Pit housing.

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

Supplied package

Stainless steel construction with
- fillable shaft cover
- solid rubber electrical distributor
- junction box

Fully assembled and wired.
Mounted on concrete ring (H=470mm, NW=1000mm).

Concrete sleeve around the entire circumference of the cover (construction side)

Pit depth approx. 70mm

Earthing cross-clamp for the connection of 30x3mm earthing strip

Concrete ring DN1000 H=470mm

Concrete shaft on the construction side from the customer DN1000 H=500mm

Feed-in from below, alternatively from the side

Ø1000

Cable outlet

PIAZZA 1000 3D view

PIAZZA 2000 (F900)

The GIFAS underfloor distributor PIAZZA 2000 has been specially designed for use at maintenance bases and in hangars.
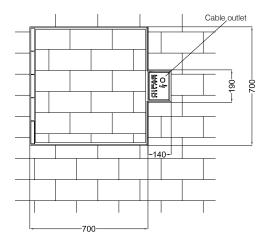
Thanks to its strongly reinforced shaft cover, the PIAZZA 2000 can withstand the weight of an aircraft wheel, industrial lorry, tractor or pushback.

The main distributors are made of extremely sturdy solid rubber in Germany. They are extremely long-lasting.

We equip the main distributors according to your needs and ideas with any of the various connector types, jet connectors, fuse installations or controls. Load break switches or back-up fuses can be installed in the connection distributor.

Mounted on an underground substructure, the cover serves both as an opening and as a support for the power distribution.

!

Load classes F900
The PIAZZA 2000 has a static load capacity of 90 tons, e.g. aircraft wheel.

Cable outlet

CAMPETTO

CAMPETTO V (A15)

Solid stainless steel construction (V2A/1.4301) in two sizes, gas springs for fully automatic opening, shaft cover made from non-slip steel floor plate, distributor as per the client's request.

Technical additions

Cover:	V2A/1.4301 non-slip steel floor plate
Cable exit flap:	(135x90mm) in the centre on the head side of the cover
Locking:	A self-cleaning lock with snap fastener closes the shaft cover (locking tool included in the scope of delivery).
Heating (optional):	To prevent the Floor Pit from being frozen in the closed position, a thermostatically controlled heating band is built into the lid of the Floor Pit housing.

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

Supplied package

Stainless steel construction with
- cover made from V2A non-slip steel floor plate
- solid rubber electrical distributor
- junction box

Fully assembled and wired.

for distributors
7200 – 7400

for distributors
7700 – 7900

CAMPETTO VI (B125)

Solid stainless steel construction (V2A/1.4301) in two sizes, gas springs for fully automatic opening, shaft cover can be custom-filled, distributor as per the client's request.

Technical additions

Cover filling: The pit with a depth of 70mm can be custom-filled to blend in with its surroundings.

Cable exit flap: (135x90mm) in the centre on the head side of the cover

Locking: A self-cleaning lock with snap fastener closes the shaft cover (locking tool included in the scope of delivery).

Heating (optional): To prevent the Floor Pit from being frozen in the closed position, a thermostatically controlled heating band is built into the lid of the Floor Pit housing.

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

Supplied package

Stainless steel construction with
- fillable shaft cover
- solid rubber electrical distributor
- junction box
Fully assembled and wired.

Cover
A covered version made of V2A non-slip steel floor plate is also available.

Cable exit with C-SAFE

for distributors 7200 – 7400

for distributors 7700 – 7900

CAMPETTO

CAMPETTO VII (A15)

Solid stainless steel construction (V2A/1.4301), gas springs for fully automatic opening, shaft cover made from non-slip steel floor plate, distributor as per the client's request.

Technical additions

Cover:	V2A/1.4301 non-slip steel floor plate.
Cable exit flap:	(135x90mm) in the centre on the head side of the cover
Locking:	A self-cleaning lock with snap fastener closes the shaft cover (locking tool included in the scope of delivery).
Heating (optional):	To prevent the Floor Pit from being frozen in the closed position, a thermostatically controlled heating band is built into the lid of the Floor Pit housing.

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

for distributors
7200 – 7900

CAMPETTO VIII (B125)

Solid stainless steel construction (V2A/1.4301), gas springs for fully automatic opening, shaft cover can be custom-filled, distributor as per the client's request.

Technical additions

Cover filling:	The pit with a depth of 70mm can be custom-filled to blend in with its surroundings.
Cable exit flap:	(280x90mm) in the centre on the head side of the cover
Locking:	A self-cleaning lock with snap fastener closes the shaft cover (locking tool included in the scope of delivery).
Heating (optional):	To prevent the Floor Pit from being frozen in the closed position, a thermostatically controlled heating band is built into the lid of the Floor Pit housing.

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

for distributors 7200 – 7900

RETRANT

RETRANT (A15)
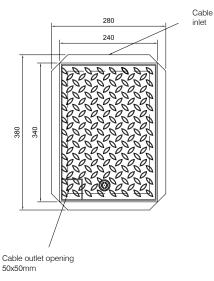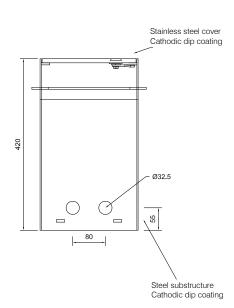
Product features

- Solid stainless steel construction, rust-free
- Completely maintenance-free (E-check)
- Cover made from non-slip steel floor plate
- Easy operation
- Can be walked on or driven over during operation
- Ground-flush installation
- Excellent safety thanks to the GIFAS double pressure method;
  the cover is held securely closed even without a lock
- Locking is performed using a countersunk, cover-flush dual bit lock
  (1 key included in the scope of delivery)
- Cable exit for cables is located in the shaft cover

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

Cable inlet

280

240

380

340

Cable outlet opening
50x50mm

Stainless steel cover
Cathodic dip coating

420

Ø32.5

55

80

Steel substructure
Cathodic dip coating

PICCOLINO 200 (C250)

PICCOLINO 120 (A15)

Product features

- Solid stainless steel construction, rust-free
- Completely maintenance-free (E-check)
- Cover made from non-slip steel floor plate
- Easy operation
- Can be walked on or driven over during operation
- Ground-flush installation
- Excellent operating safety thanks to reclosing after commissioning
- Locking is performed using a countersunk, cover-flush dual bit lock (1 key included in the scope of delivery)
- Cable exit opening in the cover lid for cables up to d=25mm

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

Product features

- Solid stainless steel construction, rust-free
- Completely maintenance-free (E-check)
- Cover made from non-slip steel floor plate
- Easy operation
- Can be walked on or driven over during operation
- Ground-flush installation
- Excellent operating safety thanks to reclosing after commissioning
- Locking is performed using a countersunk, cover-flush dual bit lock (1 key included in the scope of delivery)
- Cable exit opening in the cover lid for cables up to d=15 mm

It is the client's responsibility to ensure the standards-appropriate substructure, correct installation of the shaft and corresponding drainage. The shaft cover is not sealed against surface water.

Twist protection

Potential earth cross slot screw

Holder socket

Shockproof socket WD 230V 16A

Potential earth M8 bolt

2m GIFAS PROFLEXX 3x2.5 (connection and shrinking need to be executed at construction side)

Twist protection

Potential earth cross slot screw

2m GIFAS PROFLEXX 3x2.5 (connection and shrinking need to be executed at construction side)

Towns and municipalities - PIAZZA (D400)

Lübeck city hall market, PIAZZA with payment system

Place de la Constitution, Luxembourg, PIAZZA 1000

Kempen "Buttermarkt", PIAZZA 1000

Dresden "Altmarkt", PIAZZA 700

Quedlingburg market square, PIAZZA 1000

Quedlingburg market square, PIAZZA 1000

Towns and municipalities - PIAZZA (D400)

Göttingen market place, PIAZZA 1000

Münster warehouse district north, PIAZZA 700

"Kurhaus" Wiesbaden, PIAZZA 700

Munich Residence, PIAZZA 700

"Dresdner Zwinger", PIAZZA 700
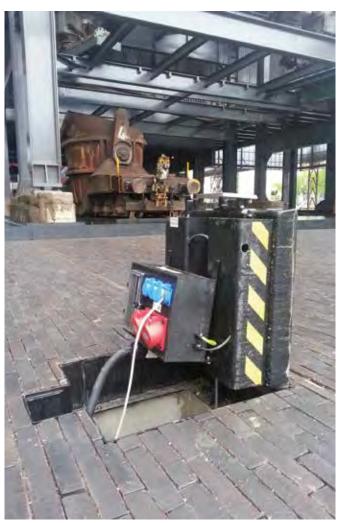
Industry and leisure - PIAZZA (D400)

"Thyssen" Duisburg, PIAZZA 700

Port Marina Loitz, PIAZZA 700

Old steel works "Belval", Luxembourg, PIAZZA 580

Glasgow Sports Arena / Velodrome, PIAZZA 700

"SpOrt" Stuttgart, PIAZZA 580

Airports - PIAZZA (F900)

Glasgow Bond Heliport, PIAZZA 2000

Glasgow Bond Heliport, PIAZZA 2000

Hangar, PIAZZA 2000

Hangar, PIAZZA 2000

Airport, Faeroe Islands, PIAZZA 2000

Katowice Airport, PIAZZA 2000

GIFAS
ELECTRIC

Towns and municipalities - CAMPETTO (B125)

Lower Marsh Market, London, CAMPETTO VI

Kamp-Lintfort marketplace, CAMPETTO VIII

Pforzheim marketplace, CAMPETTO VI

Münster "Alter Steinweg", CAMPETTO VI

Kaarst marketplace, CAMPETTO VI

Towns and municipalities - CAMPETTO (B125/A15)

"Buga" Coblenz, CAMPETTO VI and CAMPETTO VIII with submersible bell

Hampton Court Palace, CAMPETTO VI

Schriesheim city, CAMPETTO VIII

"Buga" Schwerin, CAMPETTO V (A15)

City Bitburg, CAMPETTO VI

City Brühl CAMPETTO VI

Industry - CAMPETTO (B125)

"Nordfrost" Wilhelmshaven, CAMPETTO VI

CFL workshop, Luxembourg, CAMPETTO VI

"Daimler" presentation hall, CAMPETTO VI

"Melitta" Minden, CAMPETTO VI

"Max Planck" Institute, CAMPETTO VIII

Hamburg CruiseCenter, CAMPETTO VIII

Leisure and airports - CAMPETTO (B125/A15)

St. Jacob park, Basel, CAMPETTO V (A15)

London Olympic Games, CAMPETTO VI

Frankfurt "Bretanobad", CAMPETTO VI installation

Duisburg "Tiger&Turtle", CAMPETTO V (A15) + CAMPETTO VI (B125)

Sea King military hangar, CAMPETTO VIII

Airport hangar, CAMPETTO VI

RETRANT / PICCOLINO

Wiesbaden health resort, RETRANT

Neuzelle monastery, RETRANT

Residential building, PICCOLINO 200

Bremen "Wesercafé", RETRANT

GIFAS live experience!

How it works

Download the GIFAS Augmented Reality App free for your smartphone or tablet. Then scan the picture that you can see below - the so-called marker - with the GIFAS app. You are now able to look at the product that you have selected from various angles and all sides. Enjoy your 3D tour!

Instructions

The GIFAS app has been developed for use on modern tablets and smartphones using both Apple iOS and Android operating systems. Older devices and software may experience some limitations in their functionality. Due to the larger display size, the app's features are generally at their best on a tablet.

Tip

If you need to place your tablet or smartphone very close to the marker for it to be detected, this may be because there isn't enough light. How it's done: First, point the camera at the marker at close range. Once the app has captured the marker and constructed the 3D model, you can slowly move the device away from the marker - up to a distance of 3 metres. Keep the phone or tablet as still as possible.

Download the GIFAS app here

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Construction industry
Industrial sector
Safety equipment

Underfloor distributors

**Online products available
at www.gifas.de/en**
Find the suitable product
solution for you on our
website and read all the
latest news about our
products.

AESTHETICS AND FUNCTIONALITY IN HARMONY.

Whether in hotels and restaurants, in conference rooms or in public areas such as foyers and exhibition spaces - GIFAS floor outlets look modern and unobtrusively, suiting any style of architecture. You can make your selection from our comprehensive portfolio.

FONTO

FONTO 2290

Floor outlet with hinged cover

Technical data

Outer dimensions (LxW)	113x97mm
Installation depth	70mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Aluminium natural or Powder coated RAL9006
Maximum static load according to EN 50085	20kN

Item no.	Description
840244	FONTO 2290, closed IP65, alu-natural ground 1x protective contact 230V 16A
840241	FONTO 2290, closed IP65, coated in RAL 9006 white aluminium, FS 1x protective contact 230V 16A

Other equipment options on request!

Product features

- Floor outlet with hinged cover, to be set at floor level
- For 1x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed
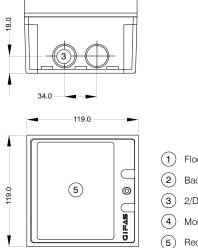- Suitable for maintenance with wet sweeping devices when closed (IP65)
- When plugged in only for floors that are dry cleaned (IP20)

1. Floor covering
2. Backfilling
3. 2/Drill hole M25x1.5
4. Mortar bed for levelling

FONTO 2295

Floor outlet with hinged cover

Technical data

Outer dimensions (LxW)	113x96,5mm
Installation depth	76,5mm
Material	Aluminium, natural anodized
	(resistant to salt- and seawater)
Color acc. tabulation	Aluminium natural
Maximum static load according to EN 50085	10kN

Item no.	Description
840248	FONTO 2295 with cable outlet, closed IP20 alu-natural ground, 1x protective contact 230V 16A

Other equipment options on request!

Product features

- Floor outlet with hinged cover, to be set at floor level
- For 1x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed
- Only for dry clean floors, both when closed and when plugged in (IP20)

1. Floor covering
2. Backfilling
3. 2/Drill hole M25x1.5
4. Mortar bed for levelling
5. 1x Cable outlets in the floor

FONTO

FONTO 3290

Floor outlet with hinged cover

Technical data

Outer dimensions (LxW)	119x119mm
Installation depth	75mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or Stainless steel colored anodized
Maximum static load according to EN 50085	20kN
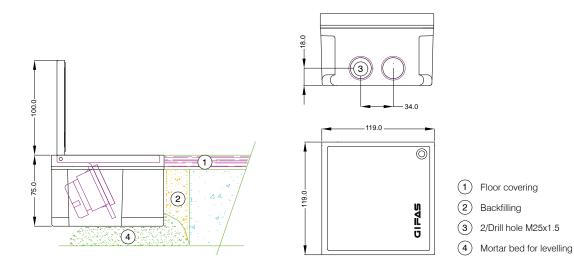
Item no.	Description
840296	FONTO 3290, closed IP65, alu colored anodized 2x protective contact 230V 16A
840299	FONTO 3290, closed IP65, stainless steel colored anodized, 2x protective contact 230V 16A

Other equipment options on request!

Product features

- Floor outlet with hinged cover, to be set at floor level
- For 2x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed
- Suitable for maintenance with wet sweeping devices when closed (IP65)
- When plugged in only for floors that are dry cleaned (IP20)

1. Floor covering
2. Backfilling
3. 2/Drill hole M25x1.5
4. Mortar bed for levelling

![GIFAS ELECTRIC logo]

FONTO 3295

Floor outlet with hinged cover

Technical data

Outer dimensions (LxW)	119x119mm
Installation depth	75mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or Stainless steel colored anodized
Maximum static load according to EN 50085	10kN

Product features

- Floor outlet with hinged cover, to be set at floor level, including 2x cable outlets
- For 2x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed
- Only for dry clean floors, both when closed and when plugged in (IP20)

Item no.	Description
840307	FONTO 3295, with cable outlet, closed IP20 alu colored anodized, 2x protective contact 230V 16A
840324	FONTO 3295, with cable outlet, closed IP20 alu colored anodized, 1x protective contact, 1x TV-R-SAT Dose
840308	FONTO 3295, with cable outlet, closed IP20 stainless steel colored anodized, 2x protective contact 230V 16A
840343	FONTO 3295, with cable outlet, closed IP20 stainless steel colored anodized, 1x protective contact 1x TV-R-SAT Box

Other equipment options on request!

① Floor covering
② Backfilling
③ 2/Drill hole M25x1.5
④ Mortar bed for levelling
⑤ 2x Cable outlets in the floor

FONTO

FONTO 3301
incl. option parquet

Floor outlet with hinged cover - removable

Technical data

Outer dimensions (LxW)	119x119mm
Installation depth	77mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or Stainless steel colored anodized
Maximum static load according to EN 50085	20kN

Product features
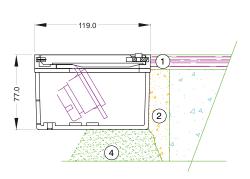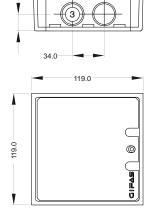
- Floor outlet with hinged cover, to be set at floor level
- For 2x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed
- Suitable for maintenance with wet sweeping devices when closed (IP65)
- When plugged in only for floors that are dry cleaned (IP20)

Item no.	Description
840256	FONTO 3301, with cable outlet, closed IP65 alu colored anodized, 2x protective contact 230V 16A
840260	FONTO 3301, with cable outlet, closed IP65 stainless steel colored anodized, 2x protective contact 230V 16A

Wood Floor Covered	
Item no.	Description
840252	FONTO 3301, with cable outlet, closed IP65 Parquet for occupancy, 2x protective contact 230V 16A

Other equipment options on request!

① Floor covering
② Backfilling
③ 2/Drill hole M25x1.5
④ Mortar bed for levelling

FONTO 3307
same as FONTO 3301 just used carpets

Floor outlet with hinged cover - removable

Technical data

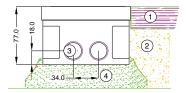|	
Outer dimensions (LxW)	119x119mm
Installation depth	77mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or Stainless steel colored anodized
Maximum static load according to EN 50085	10kN

Item no.	Description
840265	FONTO 3307, with cable outlet, closed IP65, alu colored anodized, for carpet, 2x protective contact 230V 16A
840269	FONTO 3307, with cable outlet, closed IP65, stainless steel colored anodized, for carpet, 2x protective contact 230V 16A

Other equipment options on request!

Product features

- Floor outlet with hinged cover, to be set at floor level
- For 2x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed
- Suitable for maintenance with wet sweeping devices when closed (IP65)
- When plugged in only for floors that are dry cleaned (IP20)

1. Floor covering
2. Backfilling
3. 2/Drill hole M25x1.5
4. Mortar bed for levelling
5. Recess 4mm for carpets

FONTO

FONTO 3308
same as FONTO 3301 just used stone flooring

Floor outlet with hinged cover - removable

Technical data

Outer dimensions (LxW)	119x119mm
Installation depth	82mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or Stainless steel colored anodized
Maximum static load according to EN 50085	10kN
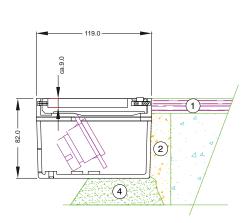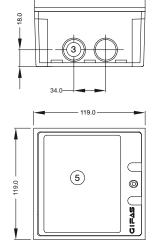
Item no.	Description
840452	FONTO 3308, with cable outlet, closed IP65, alu colored anodized, for stone flooring, 2x protective contact 230V 16A
840447	FONTO 3308, with cable outlet, closed IP65, stainless steel colored anodized, for stone flooring, 2x protective contact 230V 16A

Other equipment options on request!

Product features

- Floor outlet with hinged cover, to be set at floor level
- For 2x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed
- Suitable for maintenance with wet sweeping devices when closed (IP65)
- When plugged in only for floors that are dry cleaned (IP20)

1. Floor covering
2. Backfilling
3. 2/Drill hole M25x1.5
4. Mortar bed for levelling
5. Recess 9mm for stone flooring

GIFAS ELECTRIC

FONTO 1970D

Floor outlet with screw cap

Technical data

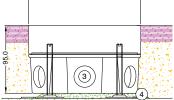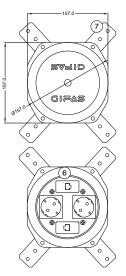|	
Outer dimensions (LxW)	119x119mm
Installation depth	85mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or Stainless steel colored anodized
Maximum static load according to EN 50085	40kN

Item no.	Description
840205	FONTO 1970D, with handle, closed IP67, alu colored anodized, 1x protective contact 230V 16A
840210	FONTO 1970D, with handle, closed IP67, stainless steel colored anodized, 1x protective contact 230V 16A

Other equipment options on request!

Product features

- Floor outlet with hinged cover, to be set at floor level
- For 1x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed
- Suitable for maintenance with wet sweeping devices when closed (IP67)
- When plugged in only for floors that are dry cleaned (IP20)

1. Floor covering
2. Backfilling
3. 2/Drill hole M25x1.5
4. Mortar bed for levelling

FONTO

FONTO 1970W

Floor outlet with screw cap and outlet pipe

Technical data

Outer dimensions (LxW)	119x119mm
Installation depth	88mm
Material	Aluminium, natural anodized
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or
	Stainless steel colored anodized
Maximum static load according	
to EN 50085	40kN

Product features

- Floor outlet with screw cap, to be set at floor level
- For 1x input 45x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed (IP67)
- Suitable for maintenance with wet sweeping devices when closed (IP67) as well as when plugged (with attached outlet pipe, water Height maximum 35mm
- Non-slip when plugged.
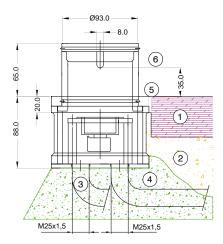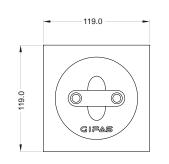
Item no.	Description
840219	FONTO 1970W, with handle, closed IP67, alu colored anodized, water protection tube, 1x protective contact 230V 16A
840222	FONTO 1970W, with handle, closed IP67, stainless steel colored anodized, water protection tube 1x protective contact 230V 16A

Other equipment options on request!

Ø93.0
8.0
65.0
35.0
20.0
88.0

M25x1,5   M25x1,5

119.0
119.0

① Floor covering
② Backfilling
③ 2/Drill hole M25x1.5
④ Mortar bed for levelling
⑤ Silicone joint
⑥ maximum water height 35mm

FONTO 3970W

Floor outlet with screw cap and outlet pipe

Technical data

Outer dimensions (LxW)	119x119mm
Installation depth	77mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or Stainless steel colored anodized
Maximum static load according to EN 50085	20kN

Product features

- Floor outlet with screw cap, to be set at floor level, and outlet pipe (sunk into the floor box when not being used)
- For 2x inputs 45x45x4mm and 2x inputs 22.5x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed (IP67)
- Suitable for maintenance with wet sweeping devices when closed (IP67) as well as when plugged (with attached outlet pipe, water Height maximum 20mm
- Non-slip when plugged

Item no.	Description
840285	FONTO 3970W, closed IP67, alu colored anodized water protection tube, 1x protective contact 230V 16A
840282	FONTO 3970W, closed IP67, alu colored anodized water protection tube, 1x protective contact 230V 16A, 1xRJ45
840291	FONTO 3970W, closed IP67, stainless steel colored anodized, water protection tube, 1x protective contact 230V 16A
840288	FONTO 3970W, closed IP67, stainless steel colored anodized, water protection tube,1x protective contact 230V 16A, 1x RJ45

Other equipment options on request!

1 Floor covering
2 Backfilling
3 2/Drill hole M25x1.5
4 Mortar bed for levelling
5 Water protection pipe with 1x cable outlet
6 View without cover

FONTO

FONTO 1975

Floor outlet with screw cap and outlet pipe

Technical data
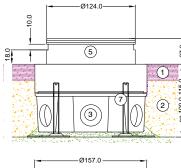
Outer dimensions (LxW)	157x157mm
Diameter	155mm
Installation depth	100 bis 115mm
Material	Aluminium, natural anodized
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or
	Stainless steel colored anodized

Maximum static load according
to EN 50085   10kN

Product features

- Floor outlet with screw cap, to be set at floor level, and outlet pipe   (sunk into the floor box when not being used)
- For 2x inputs 45x45x4mm and 2x inputs 22.5x45x4mm (e.g. protective contact, RJ45, etc.)
- Can be travelled over when closed (IP67)
- Suitable for maintenance with wet sweeping devices when closed (IP67) as well as when plugged (with attached outlet pipe, water height maximum 20mm
- Non-slip when plugged

Item no.	Description
840230	FONTO 1975, closed IP67, alu colored anodized water protection tube, 2x protective contact 230V 16A
840311	FONTO 1975, closed IP67, alu colored anodized water protection tube, 2x protective contact 230V 16A, 1x RJ45
840227	FONTO 1975, closed IP67, alu colored anodized water protection tube, 2x protective contact 230V 16A, 2x RJ45
840236	FONTO 1975, closed IP67, stainless steel colored anodized water protection tube, 2x protective contact 230V 16A
840314	FONTO 1975, closed IP67, stainless steel colored anodized water protection tube, 2x protective contact 230V 16A, 1x RJ45
840233	FONTO 1975, closed IP67, stainless steel colored anodized water protection tube, 2x protective contact 230V 16A, 2x RJ45

Other equipment options on request!

1. Floor covering
2. Backfilling
3. 4/Drill hole M32x1.5 (2 Underside of the housing)
4. Mortar bed for levelling
5. Water protection pipe with 2x cable outlets
6. View without cover
7. Levelling foot

MASSO 2289D

Micro subfloor distributor with hinged cover

Technical data

Outer dimensions (LxW)	170x120mm
Installation depth	150mm
Material	Aluminium, natural
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according	
to EN 50085	40kN
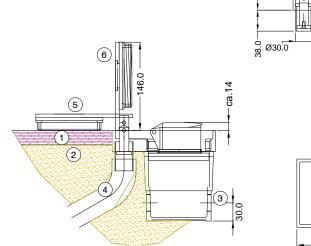
Item no.	Description
840319	MASSO 2289D, closed IP67, screwable,alu colored anodized, included key, 1x CEE 400V 16A
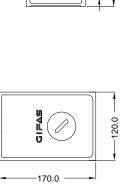
Product features

- Micro subfloor distributor to be installed at floor level
- Equipment see article numbers
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP44
  - non-slip

1. Floor covering
2. Backfilling
3. 2/Drill hole M32x1.5
4. Drain pipe to the surface drainage
5. Open lid lying
6. open lid lying Standing locked in place

MASSO

MASSO H22B
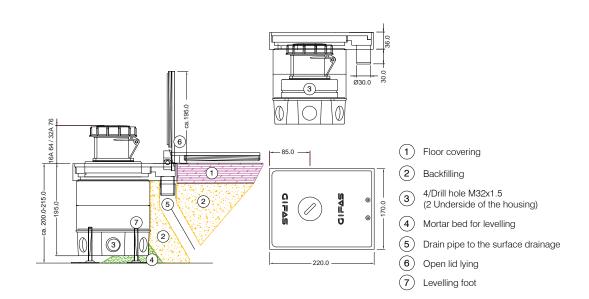
Micro subfloor distributor with hinged cover

Technical data

Outer dimensions (LxW)	220x170mm
Installation depth excl. levelling foot	200 to 215mm
Material	Aluminium, natural
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according	
to EN 50085	40kN

Item no.	Description
840363	MASSO H22B, closed IP67, alu colored anodized included key, 1x CEE 400V 16A
840364	MASSO H22B, closed IP67, alu colored anodized included key, 1x CEE 400V 32A

Product features

- Subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP54
  - non-slip

1 Floor covering

2 Backfilling

3 4/Drill hole M32x1.5
(2 Underside of the housing)

4 Mortar bed for levelling

5 Drain pipe to the surface drainage

6 Open lid lying

7 Levelling foot

![GIFAS ELECTRIC logo]

MASSO H23B

Micro subfloor distributor with hinged cover

Technical data

Outer dimensions (LxW)	220x170mm
Installation depth excl. levelling foot	255 to 270mm
Material	Aluminium, natural
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according	
to EN 50085	40kN

Product features

- Subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP54
  - non-slip
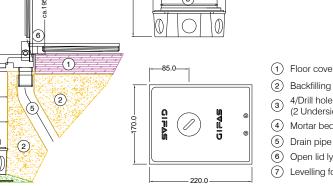
Item no.	Description
840366	MASSO H23B, closed IP67, alu colored anodized for outdoor, included key, 1x CEE 400V 16A 2x protective contact 230V 16A
840367	MASSO H23B, closed IP67, alu colored anodized for outdoor, included key, 1x CEE400V 32A 2x protective contact 230V 16A

Other equipment options on request!

1. Floor covering
2. Backfilling
3. 4/Drill hole M32x1.5 (2 Underside of the housing)
4. Mortar bed for levelling
5. Drain pipe to the surface drainage
6. Open lid lying
7. Levelling foot

MASSO

MASSO H32B
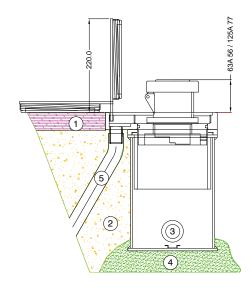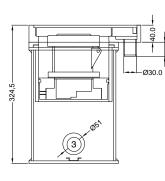
Micro subfloor distributor with hinged cover
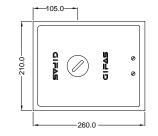
Technical data

|	
Outer dimensions (LxW)	260x210mm
Installation depth	324,5mm
Material	Aluminium, natural (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according to EN 50085	40kN

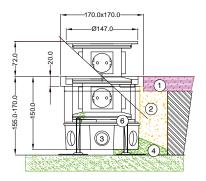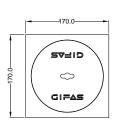| Item no.	Description
840431	MASSO H32B, closed IP67, screwed, alu colored anodized,, 1x CEE 400V 63A
840432	MASSO H32B, closed IP67, screwed, alu colored anodized, 1x CEE 400V 125A

Other equipment options on request!

Product features

- Subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP54
  - non-slip

1. Floor covering
2. Backfilling
3. Bore Ø 51mm cable access
4. Mortar bed for levelling
5. Drain pipe

MASSO 2289C

Micro subfloor distributor with screw cap

Technical data
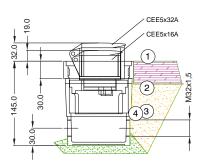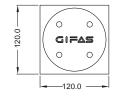
|	
Outer dimensions (LxW)	120x120mm
Installation depth	145mm
Material	Aluminium, natural (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according to EN 50085	40kN

Product features

- Subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP44
  - non-slip

Item no.	Description
840317	MASSO 2289C, closed IP67, alu colored anodized included key, 1x CEE 400V 16A
840318	MASSO 2289C, closed IP67, alu colored anodized included key, 1x CEE 400V 32A

CEE5x32A
CEE5x16A
19.0
32.0
145.0
30.0
30.0
M32x1,5

120.0
120.0

① Floor covering
② Backfilling
③ 2/Drill hole M32x1.5
④ Mortar bed for levelling

MASSO

MASSO 1980B

Micro subfloor distributor with screw cap

Technical data

Outer dimensions (LxW)	170x170mm
Installation depth incl. levelling foot	155 to 170mm
Material	Aluminium, natural
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according to EN 50085	40kN

Product features

- Micro subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP20
  - non-slip
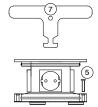
Item no.	Description
840326	MASSO 1980B, closed IP67, alu colored anodized included key, 2x protective contact 230V 16A
840330	MASSO 1980B, closed IP67, alu colored anodized included key, 2x protective contact 230V 16A, 2x RJ45
840329	MASSO 1980B, closed IP67, alu colored anodized included key, 2x protective contact 230V 16A, 1x TV-R-SAT
840331	MASSO 1980B, closed IP67, alu colored anodized included key, 1x protective contact 230V 16A, 2x RJ45, 1x TV-Box

Other equipment options on request!

①	Floor covering
②	Backfilling
③	4/Drill hole M32x1.5 (2/Underside of the housing)
④	Mortar bed for levelling
⑤	6x countersink screws (Upper part disassembly)
⑥	Levelling foot
⑦	Opening tool

MASSO 1990B
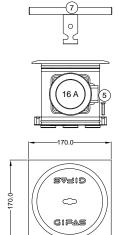
Micro subfloor distributor with screw cap

Technical data

Outer dimensions (LxW)	170x170mm
Installation depth incl. levelling foot	195 to 210mm
Material	Aluminium, natural (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized or Stainless steel colored anodized
Maximum static load according to EN 50085	40kN

Product features

- Micro subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP54
  - non-slip
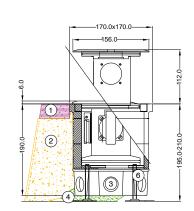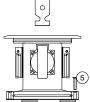
Item no.	Description
840338	MASSO 1990B, closed IP67, alu colored anodized included key, 4x protective contact 230V 16A
840339	MASSO 1990B, closed IP67, alu colored anodized included key, 3x protective contact 230V 16A, 2x RJ45
840353	MASSO 1990B, closed IP67, alu colored anodized included key, 1x compressed air, 2x protective contact 230V 16A
840355	MASSO 1990B, closed IP67, alu colored anodized included key, 1x compressed air.,1x protective contact 230V16A, 2x RJ45
840348	MASSO 1990B, closed IP67, stainless steel colored anodized, included key, 4x protective contact 230V 16A
840349	MASSO 1990B, closed IP67, stainless steel colored anodized, 3x protective contact 230V 16A, 2x RJ45

Other equipment options on request!

1. Floor covering
2. Backfilling
3. 4/Drill hole M32x1.5 (2/Underside of the housing)
4. Mortar bed for levelling
5. 6x countersink screws (Upper part disassembly)
6. Levelling foot
7. Opening tool

CE

MASSO

MASSO H21B

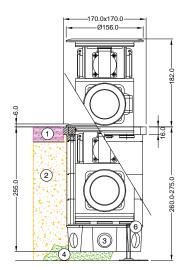**Micro subfloor distributor with screw cap**

Technical data

Outer dimensions (LxW)	170x170mm
Installation depth incl. levelling foot	195 to 210mm
Material	Aluminium, natural
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according to EN 50085	40kN

Item no.	Description
840358	MASSO H21B, closed IP67, alu colored anodized included key, 1x CEE 400V 16A
840361	MASSO H21B, closed IP67, alu colored anodized cover ground level, included key, 1x CEE 400V 16A

Product features

- Micro subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP54
  - non-slip

1. Floor covering
2. Backfilling
3. 4/Drill hole M32x1.5 (2/Underside of the housing)
4. Mortar bed for levelling
5. 6x countersink screws (Upper part disassembly)
6. Levelling foot
7. Opening tool

CE

MASSO H24B

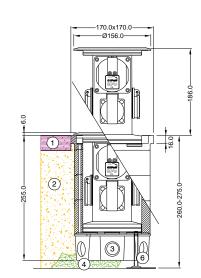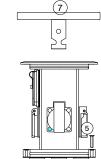**Micro subfloor distributor with screw cap**

Technical data
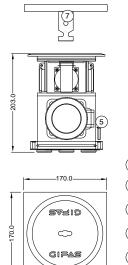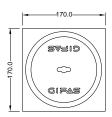
Outer dimensions (LxW)	170x170mm
Installation depth incl. levelling foot	260 to 275mm
Material	Aluminium, natural anodized (resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according to EN 50085	40kN

Product features

- Micro subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP54
  - non-slip

Item no.	Description
840370	MASSO H24B, closed IP67, alu colored anodized included key, 1x CEE 400V 16A, 3x protective contact 230V 16A
840371	MASSO H24B, closed IP67, alu colored anodized included key, 1x CEE 400V 16A, 2x protective contact 230V 16A, 2x RJ45
840216	MASSO H24B, closed IP67, alu colored anodized included key, 1x CEE 400V 16A, 2x protective contact 230V 16A, 1x Module compressed air

Other equipment options on request!

①	Floor covering
②	Backfilling
③	4/Drill hole M32x1.5 (2/Underside of the housing)
④	Mortar bed for levelling
⑤	6x countersink screws (Upper part disassembly)
⑥	Levelling foot
⑦	Opening tool

MASSO

MASSO H25B

Micro subfloor distributor with screw cap

Technical data

Outer dimensions (LxW)	170x170mm
Installation depth	260 to 275mm
Material	Aluminium, natural anodized
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according to EN 50085	40kN

Product features

- Micro subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP54
  - non-slip

Item no.	Description
840426	MASSO H25B, closed IP67, alu colored anodized for outside, included key, 1x CEE 400V 16A 4x protective contact 230V 16A
840427	MASSO H25B, closed IP67, alu colored anodized for outside, included key, 1x CEE 400V 16A 3x protective contact 230V 16A, 2x RJ45

1	Floor covering
2	Backfilling
3	4/Drill hole M32x1.5 (2/Underside of the housing)
4	Mortar bed for levelling
5	6x countersink screws (Upper part disassembly)
6	Levelling foot
7	Opening tool

MASSO H25B.2
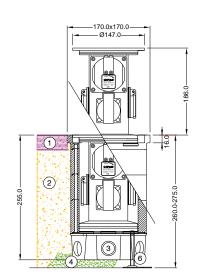

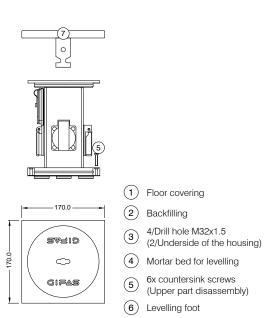**Micro subfloor distributor with screw cap**

Technical data

Outer dimensions (LxW)	170x170mm
Installation depth	260 to 275mm
Material	Aluminium, natural anodized
	(resistant to salt- and seawater)
Color acc. tabulation	Alu colored anodized
Maximum static load according	
to EN 50085	40kN

Item no.	Description
840375	MASSO H25B.2, closed. IP67, alu colored anodized included key, 1x CEE 400V 16A, 4x protective contact 230V 16A
840376	MASSO H25B.2, geschl. IP67, alu colored anodized included key, 1x CEE 400V 16A, 3x protective contact 230V 16A, 2x RJ45

Product features

- Subfloor distributor to be installed at floor level
- Equipment see article numbers among others
- When closed
  - IP67
  - can be travelled over
- When plugged
  - up to IP54
  - non-slip

1. Floor covering
2. Backfilling
3. 4/Drill hole M32x1.5 (2/Underside of the housing)
4. Mortar bed for levelling
5. 6x countersink screws (Upper part disassembly)
6. Levelling foot
7. Opening tool

PIANO

PIANO 8802-E / 8802-Enw
Floor outlet

PIANO 8802-T / 8802-Tnw
Floor outlet

Technical data

Outer dimensions (LxWxH)	125x125x72mm
Material	Aluminum die-cast
Suppy	2 conductor ports per Ø 25mm

Technical data

Outer dimensions (LxWxH)	125x125x75mm
Material	Aluminum die-cast
Suppy	2 conductor ports per Ø 25mm

Product features

- Floor outlet made of solid aluminum die-cast
- Lid surface with 2mm grinded stainless steel
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Indoor use

Product features

- Floor outlet made of solid aluminum die-cast
- Lid can be individually filled
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Indoor use

Item no.	Description
288855	PIANO 8802-E, 2x protective contact
288856	PIANO 8802-Enw, 1x protective contact, 1x RJ 45 double

Item no.	Description
288857	PIANO 8802-T, 2x protective contact
288858	PIANO 8802-Tnw, 1x protective contact, 1x RJ 45 double

PIANO 8803-B / 8803-Bnw
Floor outlet

Technical data

Outer dimensions (LxWxH)	220x150x70mm
Material	Aluminum die-cast
Suppy	4 conductor ports per Ø 25mm

Product features

- Floor outlet made of solid aluminum die-cast
- Borderless lid to affix your own coverings
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Indoor use

Item no.	Description
289596	PIANO 8803-B, 3x protective contact
289648	PIANO 8803-Bnw, 2x protective contact, 1x RJ 45 double

PIANO 8804-B / 8804-Bnw
Floor outlet

Technical data

Outer dimensions (LxWxH)	220x150x70mm
Material	Aluminum die-cast
Suppy	4 conductor ports per Ø 25mm

Product features

- Floor outlet made of solid aluminum die-cast
- Borderless lid to affix your own coverings
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Indoor use

Item no.	Description
289649	PIANO 8804-B, 4x protective contact
289650	PIANO 8804-Bnw, 2x protective contact, 1x RJ 45 double,1x antenna

PIANO

GIFAS ELECTRIC

PIANO 9901-A / 9901-Anw
Floor outlet

Technical data

Outer dimensions (ØxH)	120x72mm
Material	Aluminum die-cast
Suppy	laterally and below each 2 conductor ports per Ø 25mm

Product features

- Floor outlet made of solid aluminum die-cast
- Lid made of aluminum nature anodized or can be individually filled
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Available colours black, goldbrass etc
- Indoor use

Item no.	Description
288859	PIANO 9901-A, 1x protective contact
288860	PIANO 9901-Anw, 1x RJ 45 double

PIANO 9902-A / 9902-Anw
Floor outlet

Technical data

Outer dimensions (ØxH)	150x72mm
Material	Aluminum die-cast
Suppy	laterally and below each 2 conductor ports per Ø 25mm

Product features

- Floor outlet made of solid aluminum die-cast
- Lid made of aluminum nature anodized or can be individually filled
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Available colours black, goldbrass etc
- Indoor use

Item no.	Description
289651	PIANO 9902-A, 2x protective contact
289652	PIANO 9902-Anw, 1x protective contact, 1x RJ 45 double

PIANO 9904-A / 9904-Anw
Floor outlet

Technical data

Outer dimensions (ØxH)	200x80mm
Material	sendzimir galvanized sheet steel / aluminium
Suppy	laterally and below each 4 conductor ports per Ø 25mm

Product features

- Floor outlet made of solid aluminum die-cast
- Lid made of aluminum nature anodized or can be individually filled
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Available colours black, goldbrass etc
- Indoor use

Item no.	Description
289653	PIANO 9904-A, 4x protective contact
289654	PIANO 9904-Anw, 2x protective contact, 2x RJ 45 double

PIANO 8601-A / 8601-Anw
Floor outlet

Technical data

Outer dimensions (ØxH)	117x60mm
Suppy	2 conductor ports per Ø 20mm

Product features

- Floor outlet made of solid aluminum die-cast
- Floor outlet with lockable hinged lid
- Lid in anodized stainless steel look
- To be set at floor level
- Indoor use
- With lockable hinged lid, drivable
- Suitable for cleaning with wet sweepers

Item no.	Description
289655	PIANO 8601-A, 1x protective contact
289656	PIANO 8601-Anw, 1x protective contact, 1x RJ 45 1-time

PIANO 8604-A / 8604-Anw
Floor outlet

PIANO 7702-E
Floor outlet

Technical data

Outer dimensions (ØxH)	200x100mm
Suppy	2 conductor ports per Ø 20mm

Technical data

Outer dimensions (ØxH)	170x122mm
Material	massive PVC grey
Suppy	2 conductor ports M25

Product features

- Floor outlet with lockable hinged lid
- Lid in anodized stainless steel look
- To be set at floor level
- Indoor use
- With lockable hinged lid, drivable
- Suitable for cleaning with wet sweepers

Product features

- Floor outlet round with screw cap
- Surface made of 1.5mm grinded stainless steel
- To be set at floor level
- Indoor and outdoor use
- In closed state waterproof, protection class IP 67

Item no.	Description
289657	PIANO 8604-A, 4x protective contact
	PIANO 8604-Anw, 3x protective contact, 3x RJ 45 double

Item no.	Description
289659	PIANO 7702-E, 2x protective contact
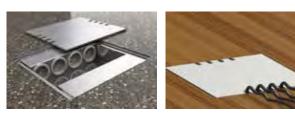
PIANO 7704-E
Floor outlet

Technical data

Outer dimensions (ØxH)	170x122mm
Material	massive PVC grey
Suppy	2 conductor ports M25

Product features

- Floor outlet round with screw cap
- Surface made of 1.5mm grinded stainless steel
- To be set at floor level
- Indoor and outdoor use
- In closed state waterproof, protection class IP 67

Item no.	Description
289661	PIANO 7704-E, 4x protective contact

PIANO 8808-A / 8808-Anw
Floor box system

Technical data

Outer dimensions (LxWxH)	240x240x62mm
Material	Stainless steel / aluminium
Suppy	8 conductor ports per Ø 20mm

Product features

- Floor outlet made of grinded stainless steel, carrier plates made of aluminum
- Lid made of 4mm aluminum nature anodized
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors
- Indoor use

Item no.	Description
289663	PIANO 8808-A, 8x protective contact
289664	PIANO 8808-Anw, 4x protective contact, 4x RJ 45 double

PIANO

GIFAS ELECTRIC

PIANO 8808-B / 8808-Bnw
Floor box system

Technical data

Outer dimensions (LxWxH)	240x240x62mm
Material	Stainless steel / aluminium
Suppy	8 conductor ports per Ø 20mm

Product features

- Floor outlet made of grinded stainless steel, carrier plates made of aluminum
- Lid made of 4mm aluminum nature anodized
- Borderless lid to affix your own coverings
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors
- Indoor use

Item no.	Description
289665	PIANO 8808-B, 8x protective contact
289666	PIANO 8808-Bnw, 4x protective contact, 4x RJ 45 double

PIANO 8808-E / 8808-Enw
Floor box system

Technical data

Outer dimensions (LxWxH)	240x240x62mm
Material	Stainless steel / aluminium
Suppy	8 conductor ports per Ø 20mm

Product features

- Floor outlet made of grinded stainless steel, carrier plates made of aluminum
- Lid surface with 4mm grinded stainless steel
- Lid to lay on
- To be set at floor level
- Lid also closes with plugged standard connectors
- Indoor use

Item no.	Description
289690	PIANO 8808-E, 8x protective contact
289691	PIANO 8808-Enw, 4x protective contact, 4x RJ 45 double

PIANO 8901-B / 8901-Bnw
Floor box system

Technical data

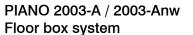|	
Outer dimensions (LxWxH)	120x120x90mm
Level area	30mm
Material	sendzimir galvanized sheet steel
Suppy	laterally 4x Ø 25mm and below 2x Ø 25mm

Product features

- Floor outlet adjustable in height, 1-fold
- Adapter box is made of sendzimir galvanized sheet steel
- Frame and lid made of stainless steel
- Lid can be individually filled (filling high 15mm)
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape

Item no.	Description
288861	PIANO 8901-B, 1x protective contact
288862	PIANO 8901-Bnw, 1x RJ 45 double

PIANO 8904-B / 8904-Bnw
Floor box system

Technical data

Outer dimensions (LxWxH)	200x150x90mm
Level area	30mm
Material	sendzimir galvanized sheet steel
Suppy	laterally 4x Ø 25mm and below 2x Ø 25mm

Product features

- Floor outlet adjustable in height, 4-fold
- Adapter box is made of sendzimir galvanized sheet steel
- Frame and lid made of stainless steel
- Lid can be individually filled (filling high 15mm)
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape

Item no.	Description
288863	PIANO 8904-B, 1x protective contact
288864	PIANO 8904-Bmw, 3x protective contact, 1x RJ 45 double

PIANO

PIANO 8906-B / 8906-Bnw
Floor box system

Technical data

Outer dimensions (LxWxH)	200x200x90mm
Material	sendzimir galvanized sheet steel
Suppy	laterally 12x Ø 25mm and below 4x Ø 25mm

Product features

- Floor outlet adjustable in height, 6-fold
- Adapter box is made of sendzimir galvanized sheet steel
- Frame and lid made of stainless steel
- Lid can be individually filled (filling high 15mm)
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Indoor use

Item no.	Description
289692	PIANO 8906-B, 6x protective contact
289693	PIANO 8906-Bnw, 4x protective contact, 2x RJ 45 double

PIANO 8908-B / 8908-Bnw
Floor box system

Technical data

Outer dimensions (LxWxH)	200x200x90mm
Material	sendzimir galvanized sheet steel
Suppy	laterally 12x Ø 25mm and below 4x Ø 25mm

Product features

- Floor outlet adjustable in height, 8-fold
- Adapter box is made of sendzimir galvanized sheet steel
- Frame and lid made of stainless steel
- Lid can be individually filled (filling high 15mm)
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Indoor use

Item no.	Description
289694	PIANO 8908-B, 8x protective contact
289695	PIANO 8908-Bnw, 4x protective contact, 4x RJ 45 double

PIANO 8912-B / 8912-Bnw
Floor box system

Technical data

Outer dimensions (LxWxH)	300x300x90mm
Material	sendzimir galvanized sheet steel
Suppy	laterally 12x Ø 25mm and below 8x Ø 25mm

Product features

- Floor outlet adjustable in height, 12-fold
- Adapter box is made of sendzimir galvanized sheet steel
- Frame and lid made of stainless steel
- Lid can be individually filled (filling high 15mm)
- To be set at floor level
- Lid also closes with plugged standard connectors in straight and angled shape
- Indoor use

Item no.	Description
289696	PIANO 8912-B, 12x protective contact
289697	PIANO 8912-Bnw, 8x protective contact, 4x RJ 45 double

PIANO 2003-A / 2003-Anw
Floor box system

Technical data

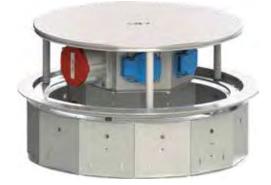|	
Outer dimensions (LxWxH)	200x200x85mm
Material	Stainless steel / aluminium
Suppy	2 conductor ports per Ø 25mm

Product features

- Lockable floor outlet
- Housing is made of 1.5mm V2A stainless steel
- Lid made of aluminium
- To be set at floor level
- Indoor use
- With lid seal, suitable for cleaning with wet sweepers
- The sockets dispose of a VDE mark

Item no.	Description
289698	PIANO 2003-A, 3x protective contact
289699	PIANO 2003-Anw, 2x protective contact, 1x RJ 45 double

PIANO

PIANO 2004-A / 2004-Anw
Floor box system

Technical data

Outer dimensions (LxWxH)	250x250x90mm
Material	Stainless steel / aluminium
Suppy	4 conductor ports per Ø 25mm

Product features

- Lockable floor outlet
- Housing is made of 1.5mm V2A stainless steel
- Lid made of aluminium
- To be set at floor level
- Indoor use
- With lid seal, Suitable for cleaning with wet sweepers
- The sockets dispose of a VDE mark

Item no.	Description
289700	PIANO 2004-A, 4x protective contact
289701	PIANO 2004-Anw, 3x protective contact, 1x RJ 45 double

PIANO 2008-A / 2008-Anw
Floor box system

Technical data

Outer dimensions (LxWxH)	250x250x90mm
Material	Stainless steel / aluminium
Suppy	8 conductor ports per Ø 25mm

Product features

- Lockable floor outlet
- Housing is made of 1.5mm V2A stainless steel
- Lid made of aluminium
- To be set at floor level
- Indoor use
- With lid seal, Suitable for cleaning with wet sweepers
- The sockets dispose of a VDE mark

Item no.	Description
289702	PIANO 2008-A, 8x protective contact
289703	PIANO 2008-Anw, 4x protective contact, 4x RJ 45 double

PIANO 9912-T / 9912Tnw
Hollow space floor box system

Technical data

Outer dimensions (ØxH)	380x77mm
Material	solid cast aluminum nature anodized
Suppy	below and laterlly

Product features

- Housing and lid are made of solid cast aluminum nature anodized
- Lid can be individually filled (filling high 8mm)
- To be set at floor level
- Suitable for cleaning with wet sweepers

Item no.	Description
288865	PIANO 9912-T, 12x protective contact
288866	PIANO 9912-Tnw, 8x protective contact, 4x RJ 45 double

PIANO 9913-Bnw
Hollow space floor box system

Technical data

Outer dimensions (ØxH)	380x112mm
Material	sendzimir galvanized sheet steel or solid aluminium
Suppy	below and laterlly

Product features

- Housing is made of sendzimir galvanized sheet steel
- Frame and lid are made of solid cast aluminum nature anodized
- Lid can be individually filled (filling high 8mm)
- To be set at floor level
- Suitable for cleaning with wet sweepers

Item no.	Description
288867	PIANO 9913-Tnw, 1x CEE5/16A, 2x protective contact, 1x RJ 45 double

Use cases FONTO

Use cases FONTO

Use cases FONTO

Use cases FONTO

Use cases MASSO

Use cases MASSO
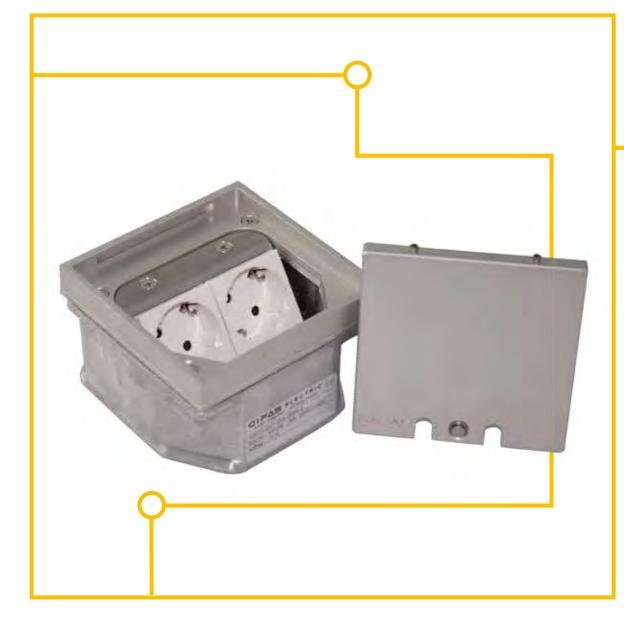
GIFAS live experience!

How it works

Download the GIFAS Augmented Reality App free for your smartphone or tablet. Then scan the picture that you can see below - the so-called marker - with the GIFAS app. You are now able to look at the product that you have selected from various angles and all sides. Enjoy your 3D tour!

Instructions

The GIFAS app has been developed for use on modern tablets and smartphones using both Apple iOS and Android operating systems. Older devices and software may experience some limitations in their functionality. Due to the larger display size, the app's features are generally at their best on a tablet.

Tip

If you need to place your tablet or smartphone very close to the marker for it to be detected, this may be because there isn't enough light. How it's done: First, point the camera at the marker at close range. Once the app has captured the marker and constructed the 3D model, you can slowly move the device away from the marker - up to a distance of 3 metres. Keep the phone or tablet as still as possible.

Download the GIFAS app here

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Public sector
Industrial sector
Transportation

Floor outlets

Online products available at www.gifas.de/en

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POWER FOR ALL REQUIREMENT.

Energy poles from GIFAS easily distribute the right amount of power, right where you need it. Our range of models blend into their environment seamlessly and harmoniously. They offer a reliable power supply whenever needed, tailored to your own specific requirements. Made in Germany.

Energy columns

GAS 160

Front

Reverse with compressed air and data socket

Product features

- Suitable for indoor and outdoor use
- Closed aluminium profile
- Sturdy design, excellent stability
- Corrosion-free
- Surface impervious to dirt
- Individual equipment on all 4 sides
- Separator plate to separate various power circuits
- Customer-specific equipment
- All kinds of drilling patterns and use of single or multiple frames are possible
- Ceiling connection variant for vertical connection technology
- Can be equipped up to a height of 6m

Technical data

Material	anodised aluminium
	Fastening material V2A
Protection category	IP54 = splashproof
	(with corresponding built-in elements)
Dimensions	160x110mm closed
	aluminium profile
	length as per the customer's wishes up to 6m
Equipment	as per the customer's wishes on all four sides
Colour	anodised silver
	other RAL colours available upon request
Terminal blocks	up to 16mm²
	5-pole, L1, L2, L3, N, PE
	mounted on carrying rail system
Base plate included	4 fastening screws
	DIN 7991.M8.40.VA
	4 brass dowels

Possible connection combinations:

Electricity
Water
Compressed air
Video, audio
Data and telephone combinations
Low-voltage combinations
CEE surface-mounted sockets up to 63A etc.

GAS 160 product range

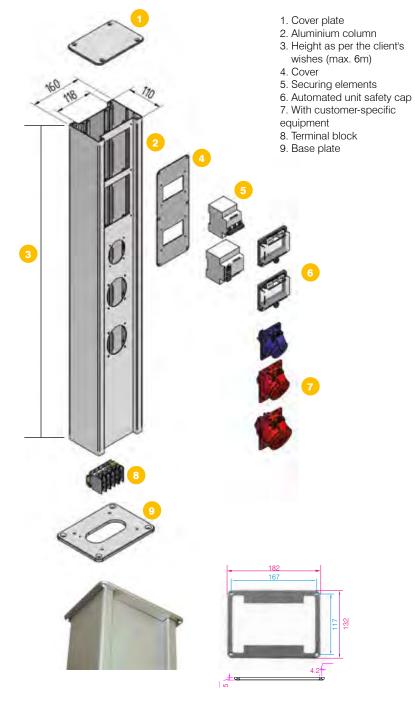| Height in mm	Protection category	Drill holes Side A	Side B
200	IP 20	2	
200	IP 54	2	
200	IP 20	2	2
200	IP 54	2	2
300	IP 20	2	
300	IP 54	2	
300	IP 20	2	2
300	IP 54	2	2
300	IP 20	3	
300	IP 54	3	
300	IP 20	3	3
300	IP 54	3	3
500	IP 20	3	
500	IP 54	3	
500	IP 20	3	3
500	IP 54	3	3
500	IP 20	5	
500	IP 54	5	
500	IP 20	5	5
500	IP 54	5	5

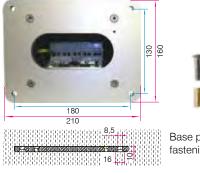Article numbers on request

Supplied package

Aluminium column
Base and cover plate
Terminal block up to 16mm²
Fastening screws for the standard device range
Fastening screws for the base plate incl. dowel
Also equipped as necessary (CEE built-in sockets, fuses, etc.)

Other designs available upon request.

GAS 160 structure

1. Cover plate
2. Aluminium column
3. Height as per the client's wishes (max. 6m)
4. Cover
5. Securing elements
6. Automated unit safety cap
7. With customer-specific equipment
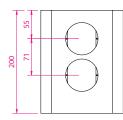8. Terminal block
9. Base plate

Cuff for double covers and double bases
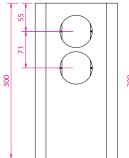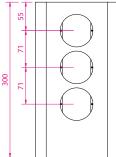
Base plate with fastening material
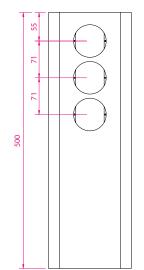
GAS 160 drilling patterns
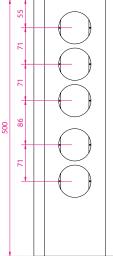
Hole size Ø	Equipment
63mm	Standard 10/16 A devices, 230V Communication technology (TCU)
68mm	Standard 10/16 A devices, 230V (cavity wall socket)
45mm	Protective contact socket with flap cover
61mm	CEE built-in socket 5x16A, 400V CEE built-in socket 5x32A, 400V

Power bollards

RONDO 200 / 300
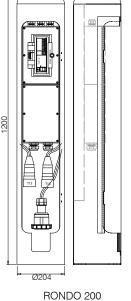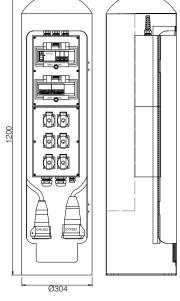

Series 200

NORDSEE

Series 300

The RONDO columns are lockable, can be custom-equipped and offer excellent protection against vandalism. When closed, energy is drawn via the cable outlet flap below the doors. A flange plate allows the column to be mounted on a base outlet and then connected to the grid. The RONDO column has a facility for the distributor housing in which the electrical distribution is integrated. Other connections (water, air, etc.) can also be integrated. Also useful as transit protection and route securing in combination with a secure and problem-free energy supply.

Product features

- Customised distributor equipment (solid rubber distributor) as per the customer's wishes, technical specifications and requirements
- Securing material installed under impact-resistant Macrolon cover
- Excellent operating safety and protection against unauthorised access and vandalism

Technical data

Dimensions	Ø=204xH=1200mm RONDO 200
	Ø=304xH=1200mm RONDO 300
Weight	approx. 25kg RONDO 200
	approx. 45kg RONDO 300
Material	V2A stainless steel construction, powder-coated
Power supply	built into the bollard
Lock	door lockable with a cylinder lock
Colour	available in all RAL colours
	Special colours are available on request.

RONDO 200

RONDO 300

Item no.	Description	Input	Output	Installations / design
278997	RONDO 300 RAL 6028, pine green	2 M40 cable glands 1 10-pole terminal block	2 CEE built-in sockets 5x32A/400V 2 230V protective contact sockets 1 63/0.03A leakage current circuit breaker switch	1 3/4" water connection with ball cock Protective devices located behind 1 transparent protective cap
277481	RONDO 300 RAL 9007 grey aluminium	2 M40 cable glands 1 5-pole terminal block	1 CEE built-in socket 5x32A/400V 1 CEE built-in socket 5x16A/400V 2 230V protective contact sockets 1 63/0.03A leakage current circuit breaker switch 1 40/0.03A leakage current circuit breaker switch	1 3/4" water supply connection with ball shutoff cock 1 4 A 1-pole circuit breaker switch Heating strip as frost protection for the water connection Protective devices located behind 2 transparent protective caps
248539	RONDO 200 RAL 9007 grey aluminium	1 M40 cable gland 1 5-pole terminal block	1 CEE connector 5x32A/400V 2 230V protective contact plug connectors 1 63/0.03A leakage current circuit breaker switch	Protective devices located behind 1 transparent protective cap

Other designs available upon request.

NORDSEE

The NORDSEE power bollard can be used for various outdoor applications and blends in perfectly with its surroundings. The NORDSEE power bollard is safe from vandalism and, thanks to the compact internal solid rubber distributor, the column is ideally suited for harsh environments. The flexible cable outlet flap means that external influences can be reduced to a minimum, even during operation.

Product features

- Sturdy stainless steel design
- Individual distributor equipment (solid rubber distributor) as per the customer's wishes
- Securing material installed under impact-resistant Macrolon cover
- Service door with cylinder lock

Technical data for distributor 7900

Protection category	IP54
Power supply	built into the column
Dimensions (WxHxD)	360x500x173mm

Technical data for bollard

Protection category	IP65 with closed cable feed
Material	V4A stainless steel construction, powder-coated
Lock	lockable door with cylinder lock
Dimensions (WxHxD)	500x1500x450mm
Total weight	120kg

Item no.	Input	Output	Installations / design
272085	1 M32 cable gland 1 5-pole terminal block	1 CEE built-in socket 5x63A/400V 1 CEE built-in socket 5x32A/400V 2 CEE built-in sockets 5x16A/400V 6 230V protective contact sockets 1 63/0.03A leakage current circuit breaker switch	1 digital three-phase current meter Protective devices located behind 2 transparent protective caps
278956	1 M63 cable gland 1 5-pole terminal block	1 CEE built-in socket 5x63A/400V 1 CEE built-in socket 5x32A/400V 1 CEE built-in sockets 5x16A/400V 3 230V protective contact sockets 1 63/0.03A leakage current circuit breaker switch	1 3/4" water connection with DVGW approval Protective devices located behind 1 transparent protective cap

Other designs available upon request.

Power bollards

QUADRO

QUADRO – the clever solution. The QUADRO can be used for many outdoor applications and optically fits perfectly into the environment. QUADRO has perfect vandal-proof design, and thanks to the compact internal rubber distributor the column is also ideally suited to very rough environments.

Thanks to the flexible cable outlet flap, outside influences can also be reduced to a minimum during operation.

Product features

- Modular configuration
- Three possible cover versions
- Various power distribution options
- Individual lock versions

Technischal data power distributor 7900

Protection category	IP54
Power supply	Built into column
Dimensions (WxHxD)	360x500x173mm

Technischal data power bollard

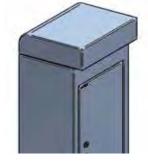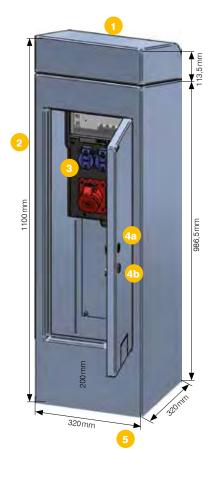|	
Protection category	IP65 with closed cable entry
Material	V4A stainless steel construction, optionally powder-coated
Attachment	Floor flange
Lock	Door lockable with cylinder lock / 4-sided
Dimensions (WxHxD)	320x1100x320mm

without lighting

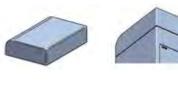diffuse lighting

LED lighting
(vertically directed downwards)

| Item no.	Description	Locks	Equipment
on request	QUADRO without lighting	Cylinder lock / square	unequipped
on request	QUADRO without lighting	Cylinder lock / square	Distributor Series 7400, 3x safety plug, 1xCEE 16A/400V, 1xCEE 32A/400V
on request	QUADRO with diffuse lighting	Cylinder lock / square	Distributor Series 7400, 3x safety plug, 1xCEE 16A/400V, 1xCEE 32A/400V
on request	QUADRO with LED lighting	Cylinder lock / square	Distributor Series 7400, 3x safety plug, 1xCEE 16A/400V, 1xCEE 32A/400V
on request	Floor flange to QUADRO		
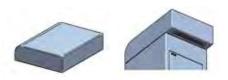
1 Cover module

Cover module without lighting
– Classic cover version
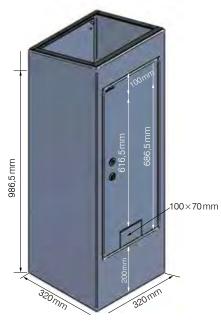– Vandal-proof, sturdy, no maintenance

Cover module with diffuse lighting
– Illumination of QUADRO on three surrounding sides using muted light
– No glare, discreet illumination of environment

Cover module with LED lighting
– Lighting of front of QUADRO with latest LED lighting
– Power-saving, energy-conscious
– High visibility column

2 Column module

3 Power distributor
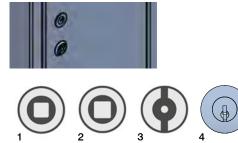(can be individually equipped up to series 7400)
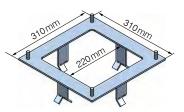
4 Locking
4a Top lock (e.g. cylinder lock)
4b Lower lock (e.g. square)

1. Square lock 6 mm
2. Square lock 8 mm
3. Double-bit lock
4. KABA 5000 type lock

5 Floor flange
– Ideal for installation in solid base (e.g. concrete)
– Fast installation possible
– Easy levelling possible

GAS 160

GAS 160

GIFAS
ELECTRIC

RONDO

RONDO / NORDSEE / QUADRO

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Public sector
Industrial sector
Transportation

Energy columns
Power bollards

**Online products available
at www.gifas.de/en**

Find the suitable product
solution for you on our
website and read all the
latest news about our
products.

MOBILITY IS GOING ELECTRIC.

Make the future green. GIFAS offers a complete array of solutions for your electrical charging infrastructure - with state-of-the-art technology and sophisticated design made for the most up-to-date requirements. Practical charging stations for e-bikes are also available in addition to wall chargers and charging pillars for electric cars. Whether as a charging unit with photovoltaics or a classic solution for your garage: We are shaping the way for tomorrow - today.

General

Our areas of application

Charging stations for private, commercial and semi-public areas

Electrically powered vehicles are becoming increasingly important in these times of rising energy prices and growing environmental awareness. The network of electric charging stations is growing day by day. With our range of electric mobility devices, you can count on cost-saving, sustainable, environmental friendly mobility for the future. For companies with electric vehicles in their e-fleets or hotels and commercial enterprises with large areas for parking, GIFAS is a powerful partner in the field of electromobility.

We provide reliable 'Made in Germany' solutions and install the required passenger car charging pillars and e-bike charging stations within your operational range, as needed. We rely on high-quality materials and first-class workmanship. All products are designed for a long and safe lifespan. That is our promise.

Private sector:
Having an electric car in the garage, carport or in your own parking space makes you a role model for your family, friends and colleagues. Less CO2 emissions, less fine dust pollution and less noise - these are the arguments in favour of electromobility.

Commercial and semi-public sector:
Whether the charging stations are needed for a fleet located on the factory premises, for commercially operated car parks, parking garages or for parking areas in shopping centres and hotels: You will be prepared for a clean future.

GIFAS charging stations are prewired and ready for immediate operation, once the local supply system and commissioning have been made by an electrician. Depending on your requirements, the charging points and stations are equipped with various features such as smart charging management and authorisation via a RFID or a web interface.

Our series

Series	Charging capacity	Functional range
B-Series	up to 11kW	Permanent release Vehicle communication with charge in MODE 3 Motorised locking of the charging plug LED status indicator
R-Series	up to 11kW	Release via RFID card Vehicle communication with charge in MODE 3 Motorised locking of the charging plug LED status indicator
S-Series	up to 22kW, optionally up to 43kW	Release via a web interface, smartphone, PC (browser-based) Vehicle communication with charge in MODE 3 Motorised locking of the charging plug LED status indicator Managing each charge is easy WiFi-enabled Integrated digital MID counter Management of real-time data via web interface (browser-based)

Requirements for charging pillars and stations

	Authorisation	Controllable	Nondiscriminatory	Safety	Power socket Type 2	Socket Protective contact Socket CEE 230V
Private/commercial	-	o	-	+	+	o
Semi-public	o	o	o	+	+	o

+ Yes   - No   o Optional

Charging modes

Charging mode	Connection on the power side	Connection on the vehicle side	single-phase	three-phase	Communication with vehicle	Interlocking
Mode 1	Protective contact or CEE socket	Type 2	max. 16A/3.7kW	max. 16A/11.0kW	None	On
Mode 2	Protective contact or CEE socket	Type 2	max. 32A/7.4kW	max. 32A/22.0kW	Communication module in the charging cable	On vehicle
Mode 3	Power socket type 2	Type 2	max. 32A/7.4kW	max. 63A/43.0kW	Communication module in the charging station	On vehicle / charging socket

AC charging plugs

Parameters			
Standard	IEC 62196-2 Type 1	IEC 62196-2 Type 2	GB/l
Distribution range	USA, Japan	Europe	China
Max. phase	1 to 2	3	1
Max. voltage	250V	500V	250V
Max. power	32A	70A	32A

Passenger car

Charging pillar for mode 3

Conventional charging stations usually charge as quickly as possible. The peak loads result in high energy costs for the respective companies and also place an excessive burden on the network infrastructure, which is currently still not sufficiently developed. In the event of overstressing there is a risk that charging pillars stall so that vehicles are not able to be charged. GIFAS has the right solution with its charging pillars. Our charging pillars collects relevant energy data, communicates with the building, the photovoltaic system, the energy storage system, as well as with other interconnected charging stations in order to distribute the energy provided by the grid with the maximum efficiency. By cleverly controlling the currents, the available power can be distributed to consumers in the best possible way. This avoids possible peak loads and provides a safe loading structure for your green vehicle fleet.

YOUR BENEFITS

Control and monitoring
The operation and visualisation of consumption data is carried out using a web interface. With a clearly arranged dashboard you have access to all of the functions and insight into the charging pillars current live data as well as all historical consumption data: On your smartphone or in your computer's browser. The visualisation of consumption data such as energy performance and distribution give you a reliable view of the charging status and allow for the professional management of your charging pillars.

Structural expansion as required
You can connect and network up to 128 charging pillars, one after the other, using one main supply line. This saves effort and money in terms of network preparation and peripherals. Risk-free expansion of infrastructures - step by step as needed. On request, we also offer all of our charging pillar series with an attached charging cable (spiralled also possible).

Charging process - easy made
Personalise your pillars and create intelligent infrastructure to be proud of. Choose how much energy you can provide and the interconnected pillars will distribute it evenly to all of the charging vehicles or according to your set of priorities. Depending on the need, individual pillars can be switched on all day or only during the opening hours.

Simple billing
Using the included web application, the charging pole can be activated and deactivated individually for e-fuelling, whether via smartphone or the stationary computer. Whether on the company premises, in the hotel car park or on the parking lot of the amusement park: A flat fee is charged quickly and easily. If an individual bill is to be based on the actual consumption, our charging pillars come with the e-roaming platform HUBJECT, which is integrated in Europe's largest charging network of electric cars (intercharge).

Smart Home
In addition to the conventional mains supply, the charging pillar can be operated in combination with renewable solar power from your domestic grid. This relieves your infrastructure and compensates your investment volume. We provide you with the appropriate Smart Home Plugin for building control purposes.

Item no.	Design	Number of charging points	B-Series	R-Series	S-Series	Dimensions WxHxD (mm)	Colour
291560	Charging pillar B100 with a Type 2 socket	1	x	-	-	111x1600x200	Light grey
291561	Charging pillar B200 with a Type 2 socket	2	x	-	-	200x1600x200	Light grey
291562	Charging pillar R100 with a Type 2 socket	1	-	x	-	111x1600x200	Light grey
291563	Charging pillar R200 with a Type 2 socket	2	-	x	-	200x1600x200	Light grey
291564	Charging pillar S100 with a Type 2 socket	1	-	-	x	111x1600x200	Light grey
291565	Charging pillar S200 with a Type 2 socket	2	-	-	x	200x1600x200	Light grey

Accessories

Item no.	Design	B-Series	R-Series	S-Series	Dimensions WxHxD (mm)	Colour
291572	Foundation Anchor Charging Pillar 100	x	x	x	111x10x300	Light grey
291573	Foundation Anchor Charging Pillar 200	x	x	x	222x10x300	Light grey
291576	RFID Master Card (Replacement)	-	x	-	85x55	White
291575	Powerline Module Network Communication	-	-	x	90x73x66	Grey
291729	Smart Meter Measuring System			x	89x72x66	Grey
291577	FI (type B) for charging pillar, mounted	x	x	x		
291994	Assembly, commissioning, instruction	x	x	x		

Wall charging station for mode 3

The GIFAS wall charging station is notable for being simple to use as well as for its compact design. It is ideally suited to locations that require a high level of performance within a small space. The state-of-the-art charging technology ensures for maximum reliability when charging.

The durability and toughness that GIFAS is known for is apparent in all of the wall charging station series. This particularly based on the solid rubber distributors that come as basic housing. The outer housing is made of powder-coated sheet steel in RAL 7035 light grey.

Being highly stabile and impact resistant, having great weather-, UV- and ozone resistance, as well as a high electrical insulation capacity make the wall charging station a long-lasting and reliable charging unit.

GIFAS charging stations are prewired and ready for immediate operation, once the local supply system and commissioning have been made by an electrician. Depending on your requirements, the charging points and stations are equipped with various features such as smart charging management and authorisation via a RFID or a web interface.

Item no.	Design	B-Series	R-Series	S-Series	Dimensions WxHxD (mm)	Colour
291566	Wall box B100 with a type 2 socket	x	-	-	252x711x139	Light grey
291567	Wall box B100 with 4m attached charging cable and type 2 coupling	x	-	-	252x711x139	Light grey
291568	Wall box R100 with a type 2 socket	-	x	-	252x711x139	Light grey
291569	Wall box R100 with 4m attached charging cable and type 2 coupling	-	x	-	252x711x139	Light grey
292413	Wall box S100 with a type 2 socket and RCM	-	-	x	252x711x139	Light grey
292429	Wall box S100 with 4m attached charging cable and type 2 coupling and RCM	-	-	x	252x711x139	Light grey

Accessories

Item no.	Design	B-Series	R-Series	S-Series	Dimensions WxHxD (mm)
291574	Base column for wall box, galvanised	x	x	x	400x1500x400
291575	Powerline Module Network Communication via Power Cable	-	-	x	90x73x66
291576	RFID Master Card (Replacement)	-	x	-	85x55
291578	RCM for wall box, mounted	x	x	x	
291994	Assembly, commissioning, instruction	x	x	x	

Charging Column GAS 160

Whether indoors or outdoors, the connections are protected by the closed, corrosion-free aluminium profile and provide the maximum level of safety during the charging process. The robust design and high level of stability make the station a very reliable charging unit. The surface is dirt-resistant. Installation is quick with the included base plate.

The state-of-the-art charging technology ensures for maximum reliability when charging. Equipped with protective contact sockets, the charging column is pre-installed and ready to use. It only needs to be connected by an electrician. It is easy and convenient to charge.

The connected load can be up to 22kW (3.6kW per protective contact socket).

Whether on the town square, at university or in the shopping promenade - the installation of these charging stations at busy hotspots allows cyclists to see the sights of the city or to get a cup of coffee while the battery of the electric bike is charging. Those who offer the opportunity of recharging a bicycle during business hours may attract potential groups of buyers to key locations.

Numerous cities and municipalities are already working intensively on making attractive routes out of their local bike paths. The concept takes into account the need for a suitable charging infrastructure that is flexible, technically reliable, sturdy and durable. This is where the new E-solutions from GIFAS come in.

Item no.	Design	Number of charging points	Charging connector	Dimensions WxHxD (mm)	Colour
291627	Charging Pole GAS 160/ E4	4	4x Protective contact	160x1200x110	Anodised
291628	Charging Pole GAS 160/ E6	6	6x Protective contact	160x1200x110	Anodised

Charging Station E500

Charging station E500 - the practical charging solution.

Model with 5 lockers for the charger and cable.

The terminal connections are protected by robust stainless steel housing that ensures for maximum safety throughout the charging process. Its robust design and high level of stability make the E500 a reliable loading unit. The surface is dirt-resistant. Equipped with one safety socket per compartment, the charging station is pre-installed, ready for use, it just needs to be connected to the local supply system and commissioned by an electrician.

Technical properties

Solid rubber distributors

Fuse protection   3x RCCB/MCP 10A
                         (2x2 compartments / 1x1 compartment)

Item no.	Design	Number of lockers/service compartments	Number of charging points	Charging connector	Dimensions WxHxD (mm)	Colour
291625	Charging Station E500	5 + 1	5	Protective contact	2530x1610x490	Silver / brushed stainless steel

PEDELEC / E-Bike

Charging Station E500D

Charging Station E500D - the covered charging solution.

Model with 5 lockers for the charger and cable as well as a canopy with 8 watt LED lighting and a motion detector.

The terminal connections are protected by robust stainless steel housing that ensures for maximum safety throughout the charging process.
Its sturdy design and high level of stability make the E500D a reliable charging unit. The surface is dirt-resistant. Equipped with one safety socket per compartment, the charging station is pre-installed, ready for use, it just needs to be connected to the local supply system and commissioned by an electrician.

Technical properties

Solid rubber distributors

Fuse protection   3xRCCB/MCB 10A
                                   (2x2 compartments / 1x1 compartment)
                                   1x MCB 10A (LED lighting)

Item no.	Design	Number of lockers/service compartments	Number of charging points	Charging connector	Dimensions WxHxD (mm)	Colour
291626	Charging Station E500D	5 + 1	5	Protective contact	2530x2550x1667	Silver / brushed stainless steel

Accessories

Item no.	Design
291667	Advertising panel, transparent acrylic (unprinted), mounting materials included Dimensions (WxHxD) 3000x350x10mm

Charging Station E600S

Charging Station E600S - the ecological charging solution.

The self-sufficient solar power system generates electricity on the roof throughout the day using its 3 photovoltaic panels and stores it in its energy storage device. Thanks to the integrated storage device, the solar power system ensures that the E600S is always ready, even when the sun isn't shining. If required, the charging station can be supplied by the conventional mains supply so that the energy storage device can be charged up to 50% of its total capacity.

The terminal connections are protected by robust housing that ensures for maximum safety throughout the charging process. Its robust design and high level of stability make the E600S a reliable loading unit for every installation site. Equipped with one safety socket per compartment, the charging station is pre-installed, ready for use, it just needs to be connected to the local supply system and commissioned by an electrician.

Compartment locker
Model with 6 lockers for the charger and cable with a brushed steel finish.

Power storage device
Model with 1 lockable door with powder-coated stainless steel (colour as per customer requirements).

Technical properties

PV-Panel
Dimensions (WxHxD)	1640x992x40mm
Power output	300W - 900W total
Number	3 pieces

Charge controller
Charging controller with a Bluetooth interface that can be controlled via the app
Nominal charge current	30A

Battery
Battery type	AGM (sealed, gas-tight)
Capacity	75Ah (12V, 900Wh) - 300Ah total
Number	4 pieces

Power inverter
Output capacity	1000W - 2000W total
Number	2 pieces

Solid rubber distributors
Fuse protection	3x RCCB/MCB 10A (3x2 compartments)
	1x MCB 10A (LED lighting)

Item no.	Design	Number of lockers/service compartments	Number of charging points	Charging connector	Dimensions WxHxD (mm)	Colour
291624	Charging Station E600S	6 + 0	6	Protective contact	3170x2550x1667	Silver / brushed stainless steel

Accessories

Item no.	Design
291667	Advertising panel, transparent acrylic (unprinted), mounting materials included Dimensions (WxHxD) 3000x350x10mm

Use cases - Passenger car charging pillar

Use cases - Charging station PEDELEC / E-Bike

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IN YOUR FIELD

Public sector
Industrial sector
Transportation

Electromobility

**Online products available
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Find the suitable product
solution for you on our
website and read all the
latest news about our
products.

LOOKING FOR
NEW EXTENSIONS.

If you need flexible power distribution on site, GIFAS cable reels ensure that you have power exactly where it is needed. They can be fitted out as required and come with reel bodies made of solid rubber, plastic or sheet steel. Our products are designed to be handled roughly in heavy industry - tried and tested for over 60 years. Quality down-the-line.

Solid rubber cable reels

Series 501

K2 □ ⚠ C E ⏚

With residual current
protection device PRCD-S

Product features

- Solid, halogen-free solid rubber reel bodies, full protective insulation
- Stable steel tube frame, zinc-plated and black powder-coated
- GIFAS PROFLEXX H07 cable
- High mechanical stability
- UV and weather resistant
- Impact-resistant, ageing-resistant and maintenance-free
- Ergonomic shape, good carrying comfort
- With thermal overload protection
- Internal wedge brake
- With insulating handle coating (BGI 608)
- Built in accordance with VDE 0620 Part 300
- K2-identification

With halogen headlights
and 120 VA/24 V transformer

Securing of the plug outlet
in the
winding mechanism

Technical data

Dimensions	WxHxD = 250x345x205mm
Dimensions of reel body	Ø 240mm, width 110mm
Weight (without cable)	approx. 3.7kg
Protection category	IP54
Protection class	II

Capacities

2x1.0mm^2 / 35m
2x1.5mm^2 / 25m
3x1.0mm^2 / 30m
3x1.5mm^2 / 25m
5x1.5mm^2 / 20m

Individual components

Internal wedge brake

Item no.	Input	Output	Fuses	Symbols
259764	20m 3x1.5mm^2 with protective contact plug	3 protective contact sockets		
255873	25m 3x1.5mm^2 with protective contact plug	3 protective contact sockets		
259199	20m 3x1.5mm^2 with protective contact plug	3 protective contact sockets	Personal safety switches PRCD-S 16/0.03A	
259804	25m 3x1.5mm^2 with protective contact plug	3 protective contact sockets	Personal safety switches PRCD-S 16/0.03A	
259805	5m 2x1.5mm^2 with contour plug	25m 2x2.5 mm^2 with hand-held halogen headlight spotlight 100W/24V	5A microfuse	
259807	5m 2x1.5mm^2 with contour plug	25m 2x2.5 mm^2 with hand-held halogen headlight broad beam 75W/24V	5A microfuse	

All components can be supplied as spare parts. Other equipment options available upon request.

502 series

K2 □ △ C E T

With residual current protection device PRCD-S

Product features

- Solid, halogen-free solid rubber reel bodies, full protective insulation
- Stable steel tube frame, zinc-plated and black powder-coated
- GIFAS PROFLEX H07 cable
- High mechanical stability
- UV and weather resistant
- Impact-resistant, ageing-resistant and maintenance-free
- Ergonomic shape, good carrying comfort
- With thermal overload protection
- Internal wedge brake
- With insulating handle coating (BGI 608)
- Built in accordance with VDE 0620 and 0623 Part 300 and 100
- K2-identification

PRCD-S

Internal wedge brake

Technical data

Dimensions	WxHxD=300x410x230 mm
Dimensions of reel body	Ø 300mm
Weight (without cable)	approx. 4.0kg
Protection category	IP54
Protection class	II

Capacities

3x1.5mm^2/ 50m
5x1.5mm^2/ 40m
5x2.5mm^2/ 30m

Item no.	Input	Output	Fuses	Symbols
253882	50m 3x1.5 mm^2 with protective contact plug	3 protective contact sockets		
259808	50m 3x1.5 mm^2 with protective contact plug	3 protective contact sockets	Personal safety switch PRCD-S 16/0.03A	
259809	50m 3x1.5 mm^2 with protective contact plug	4 protective contact sockets	RCCB 25/0.03A 2p	
259594	30m 5x2.5 mm^2 with CEE 5x16A/400V	2 protective contact sockets 1 CEE 5x16A/400V		
259869	40m 3x2.5 mm^2 with protective contact plug	3 protective contact sockets	Personal safety switches PRCD-S 16/0.03A	
259907	35m 3x2.5 mm^2 with protective contact plug	3 protective contact sockets	Personal safety switches PRCD-S 16/0.03A	
259808	50m 3x1.5 mm^2 with protective contact plug	3 protective contact sockets	Personal safety switches PRCD-S 16/0.03A	
261560	50m 3x1.5 mm^2 with protective contact plug	4 protective contact sockets	Personal safety switches PRCD-S 16/0.03A	

All components can be supplied as spare parts. Other equipment options available upon request.

Solid rubber cable reels

503 series

K2 □ △ C € T

Can be driven over by transport trolleys. Cable reel with protection and thermal overload protection. Protective device located behind 2 transparent protective caps.

Product features of cable reels

- Solid, halogen-free solid rubber reel bodies, full protective insulation
- Stable steel tube frame, zinc-plated and black powder-coated
- GIFAS PROFLEXX H07 cable
- High mechanical stability
- UV and weather resistant
- Impact-resistant, ageing-resistant and maintenance-free
- Ergonomic shape, good carrying comfort
- With thermal overload protection
- Internal wedge brake
- With insulating handle coating (BGI 608)
- Built in accordance with VDE 0620 and 0623 Part 300 and 100
- K2-identification

Technical data

Dimensions	WxHxD=340x480x300mm
Dimensions of reel body	Ø 350mm
Weight (without cable)	approx. 5.5kg
Protection category	IP54
Protection class	II

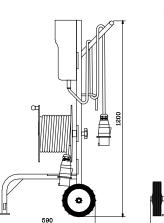### Capacities

$3x1.5mm^2$/ 90m
$5x1.5mm^2$/ 70m
$5x2.5mm^2$/ 50m
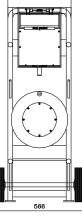$5x4.0mm^2$/ 30m
$5x6.0mm^2$/ 25m

Product features of transport trolleys

- Solid, stable transport trolley with low-lying centre of gravity
- Black powder-coated
- Solid rubber tyres diam. 200mm bearing-mounted

Technical data for transport trolleys

Dimensions	HxWxD=1200x590x566 mm
Weight (complete)	approx. 70.0 kg

Item no.	Description	Input	Output	Fuses	Symbols
254911	Solid rubber cable reel 503	50m 5x2.5 mm² with CEE 5x16A/400V	1 CEE 5x16A/400V 2 protective contact sockets	No fuse	
255370	Solid rubber cable reel 503	35m 5x6.0 mm² with CEE 5x32A/400V	1 CEE 5x32A/400V 1 CEE 5x16A/400V 2 protective contact sockets	MCB 16A 3p C MCB 16A 1p C RCCB 40/0.03A/4p	
249591	Transport trolley comprising solid rubber distributor 7800 and solid rubber reel body 503 to hold supply cable	25m 5x6.0 mm² with CEE 5x32A/400V	2 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact sockets	Neozed 25A Neozed 16A MCB 16A 1p B RCCB 40/0.03A/4p	

All components can be supplied as spare parts. Other equipment options available upon request.

504 series

Transport trolley for cable reel 504

Product features of cable reels

- GIFAS PROFLEXX H07 cable
- "Traffic-light red" signal colour, RAL 3020
- Supporting frame and reel body made from powder-coated steel tubing
- Shaft and inner tube made from A2 stainless steel
- Sophisticated construction - stable design
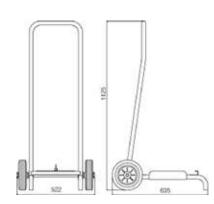- With thermal overload protection

Technical data

Dimensions	WxHxD=440x572x360 mm
Dimensions of reel body	Ø 440mm, width 280mm
Empty weight	approx. 10.5kg
Protection category	IP X4

Capacities

5x2.5mm^2/ 100m
5x6.0mm^2/ 50m
5x10.0mm^2/ 35m

Product features of transport trolleys

- Solid, stable transport trolley with low-lying centre of gravity
- Black powder-coated
- Solid rubber tyres diam. 200 mm bearing-mounted

Item no.	Description	Input	Output	Fuses	Symbols
233355	Sheet steel cable reel 504	50m 5x6.0 mm^2 with CEE 5x32A/400V	2 CEE 5x32A/400V 2 protective contact sockets	RCCB/MCB 16/0.03A 2p C	
233778	Sheet steel cable reel 504	50m 5x6.0 mm^2 with CEE 5x32A/400V	2 CEE 5x32A/400V		
238126	Sheet steel cable reel 504	25m 5x10.0 mm^2 with CEE 5x63A/400V	1 CEE 5x63A/400V		
233777	Transport trolley, black powder-coated, with two solid rubber tyres of diameter 200mm				

Sheet steel cable reels

521 series

△ C E T

Cable reel 521 with integrated solid rubber distributor type 7800

Product features of cable reels

- GIFAS PROFLEXX H07 cable
- "Traffic-light red" signal colour, RAL 3020
- Bearing-mounted drum body made from sheet steel
- Carrying handles on either side, can also be used as a crank
- Insulated handle
- Low centre of gravity
- Large, solid rubber wheels
- Built in accordance with VDE 0620 and 0623 Part 2

Technical data

Dimensions   WxHxD=720x1130x775mm
Dimensions of reel body   Ø 570mm, width 420mm
Empty weight   approx. 24kg
Protection category   IP X4

Capacities
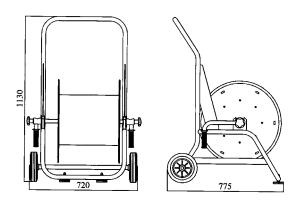
5x6.0mm²/ 100m
5x10.0mm²/ 80m
5x16.0mm²/ 60m

Product features of solid rubber distributors

- Superlative mechanical stability
- Alkali / acid resistance
- High protection category IP 65
- Flame-resistant, halogen-free,
- Self-extinguishing as per VDE 0471
- Ready-to-connect, tested solution for
- Safe and rapid assembly
- Grey / black solid rubber housing made from special GIFAS rubber mixture

Item no.	Description	Input	Output	Fuses	Symbols
130137	Sheet steel cable reel 521, moveable	100m 5x6.0 mm² with CEE 5x32A/400V	1 CEE 5x32A/400V		
206388	Sheet steel cable reel 521, moveable	50m 5x16.0 mm² with CEE 5x63A/400V	1 CEE 5x63A/400V		
210711	Sheet steel cable reel 521, moveable	30m 5x35.0 mm² with CEE 5x125A/400V	1 CEE 5x125A/400V		
207356	Sheet steel cable reel 521, moveable, with mounted solid rubber distributor 7800	25m 5x16.0 mm² with CEE 5x63A/400V	2 CEE 5x32A/400V 2 CEE 5x16A/400V 3 protective contact sockets	Neozed 25A Neozed 16A MCB 16A 1p B RCCB 25/0.03A, 4p	

All components can be supplied as spare parts. Other equipment options available upon request.

523 series

CE

Product features

- Sheet steel cable reel with bearing-mounted drum body made from sheet steel and special powder coating
- Frame construction made from 50 x 50 square sheet steel, also with special powder coating
- Adjustable drum brake for controlled unrolling
- Additional securing option against unwanted unrolling
- Hand crank with free running
- Equipped with two castors and fixed wheels
- Gear with back stop
- Accessories can be supplied for forklift truck transport.
- Towing bar can be supplied to accommodate a car coupling.

Technical data

Dimensions	WxHxD = 1300x1030x800mm
Dimensions of reel body	Ø 450mm, width 700mm
Empty weight	approx. 80kg
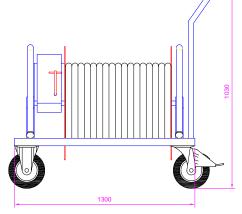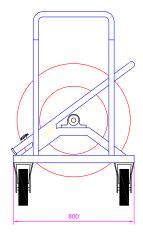
Capacities

80m 5x35mm² H07RN-F
100m 5x16mm² H07RN-F

Item no.	Equipment
241100	without
241101	80 m H07RN-F 5x35 mm² CEE plug 5x125A/400V CEE coupling 5x125A/400V
241246	100 m H07RN-F 5x16 mm² CEE plug 5x63A/400V CEE coupling 5x63A/400V

All components can be supplied as spare parts. Other equipment options available upon request.

Plastic cable reels

511K2 series

K2 □ ⚠ CE ⊤

Product features

- Robust reel bodies from polycarbonate black,
  fully protective-in isolation
- Stable polycarbonate frame
- High mechanical stability
- UV and weather resistant
- Impact-resistant, ageing-resistant
- Ergonomic shape, good carrying comfort
- With overheating protection
- With central drum brake
- Built after DIN EN 61316
- K2-identification

Technical data

Dimensions	WxHxD=280x352x240mm
Dimensions of reel body	250mm
Protection category	IP54
Protection class	II

Item no.	Input	Output	Fuses	Weight	Symbols
289723	25m H07RN-F 3x1,5mm² with protective contact plug	3 protective contact sockets 16A/230V		approx. 5,0kg	
290217	25m H07RN-F 3x1,5mm² with protective contact plug	3 protective contact sockets 16A/230V	Personal safety switches PRCD-S 16/0.03A	approx. 5,5kg	

512K2 series

K2 □ ⚠ CE 🕇

512K2 series

Product features

- Robust reel bodies from polycarbonate black,
  fully protective-in isolation
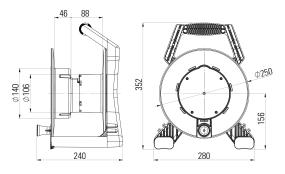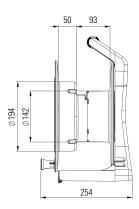- Stable polycarbonate frame
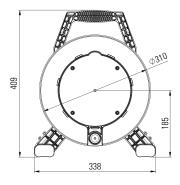- High mechanical stability
- UV and weather resistant
- Impact-resistant, ageing-resistant
- Ergonomic shape, good carrying comfort
- With overheating protection
- With central drum brake and
  voltage control light (230V-version)
- Built after DIN EN 61316 or DIN EN 61242
- K2-identification

Technical data

Dimensions	WxHxD=338x409x254mm
Dimensions of reel body	310mm
Protection category	IP54
Protection class	II

Item no.	Input	Output	Fuses	Weight	Symbols
289724	50m H07RN-F 3x1,5mm² with protective contact plug	4 protective contact sockets 16A/230V		approx. 8.7kg	
289725	25m H07RN-F 5x2,5mm² with CEE-plug 400V/16A 5pol	1 CEE plug 5x16A/400V 3 protective contact sockets 16A/230V		approx. 9.2kg	
289726	40m H07RN-F 3x2,5mm² with protective contact plug	4 protective contact sockets 16A/230V		approx. 10.2kg	
290218	50m H07RN-F 3x1,5mm² with protective contact plug	4 protective contact sockets 16A/230V	Personal safety switches PRCD-S 16/0.03A	approx. 9.2 kg	

Pull-out cable reels

GIFAS ELECTRIC

520/ Mini series

$\triangle$ CE

Product features

- Fully equipped and pre-set
- Impact-resistant plastic
- Incl. wall mount
- Factory-fitted with lock (can be set to continuous tension)
- Thermal protection
- Small, easy to handle, sturdy, easy to assemble
- Standard IEC 1242

Technical data
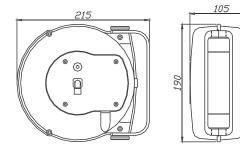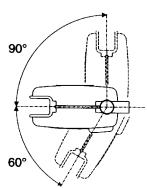
Pull-out length	5 to 7 m
Slip ring	2 to 3-pole
Operating voltage	max. 230 V
Cable	7m 2x1.0 mm² Thermoplast cable H05VV-F plus 1 m free-hanging
Output coiled	1100W
Output uncoiled	1600W
Dimensions WxHxD	105x190x215mm
Weight	approx. 2.3kg
Protection category	IP42

Item no.	Number of wires	Cross-section in mm²	Cable length coiled + 1.0 m free	Output coiled in W	Output uncoiled in W
242554	2	1.0	7	1100	1600
242553	2	1.5	5	1300	1800
241760	3	1.0	6	1100	1600
242551	3	1.5	5	1400	1900

520/XF and 520/XL series

520/XF series

520/XL series

Product features

- Fully-equipped and pre-set pull-out cable reels
- Sealed casing made from impact-resistant plastic
- Incl. fastening clip
- Thermal protection (2 to 5-pole)
- Special cable black, end cut smooth, no connection coupling
- Factory-fitted with lock, can be set to continuous tension
- Cable back stop with toothed lock every 50 cm
- Easy to disengage if the cable is to be continuously under tension
- Easy to handle, sturdy, easy to assemble
- Standard IEC 1242

Technical data

Pull-out length	5.5 to 12.5m
Slip ring	2 to 5-pole
Operating voltage	max. 400V
Protection category XF	IP42
XL	IP43
Cable	H05VV-F or H07RN-F

520/XF accessories

To reduce the ingress of dirt at the cable inlet, a covering cap is available as an accessory. This can be fitted at a later date and increases the protection category to IP 43.

Cover securing mechanism
When the cover is fitted and in the case of a vertical cable uncoiling / coiling motion, the reel body is secured into the fastening clip.
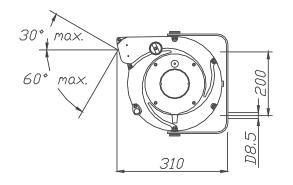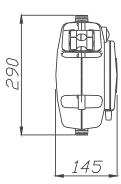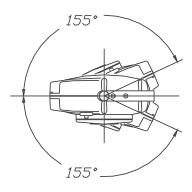
Installation instructions

Suitable installation options (see page 15)
A, C, G and N   swivel motion
E and F   fixed position with adjusting screw
Limited use with cover cap (cable inlet)

Pull-out cable reels

GIFAS ELECTRIC

520/XF and 520/XL series

Item no.	Description	Number of wires	Cross-section in mm²	Cable length coiled + 1.5m free	Output coiled in W	Output uncoiled in W	Current strength of the collector
242646	520/XF series	2	1.0	10	900	1400	10
242535	520/XF series	2	1.0	14	900	1400	10
242648	520/XF series	3	1.0	8	900	1400	10
242500	520/XF series	3	1.0	12.5	900	1400	10
242541	520/XF series	4	1.0	10.5	1100	1600	10
242533	520/XF series	5	1.0	7.5	1000	1500	10
242222	520/XF series	2	1.5	11	1100	1600	10
242649	520/XF series	3	1.5	7	1200	1800	10
242283	520/XF series	3	1.5	10	1200	1800	10
242652	520/XF series	4	1.5	5.5	1350	1900	10
242540	520/XF series	4	1.5	8	1350	1900	10
242532	520/XF series	5	1.5	5.5	1350	1900	10
242612	520/XF series	2	2.5	8.5	1750	2300	10
242715	520/XF series	3	2.5	7	1850	2500	20
241324	520/XF series	4	2.5	5.5	2000	2700	20
242702	520/XL series	2	1.0	10	900	1400	10
242694	520/XL series	2	1.0	14	900	1400	10
242703	520/XL series	3	1.0	8	900	1400	10
242737	520/XL series	3	1.0	12.5	900	1400	10
242695	520/XL series	4	1.0	10.5	1100	1600	10
242697	520/XL series	5	1.0	7.5	1000	1500	10
242735	520/XL series	2	1.5	11	1100	1600	10
242704	520/XL series	3	1.5	7	1200	1800	10
242738	520/XL series	3	1.5	10	1200	1800	10
242696	520/XL series	4	1.5	8	1350	1900	10
242698	520/XL series	5	1.5	5.5	1350	1900	10
242736	520/XL series	2	2.5	8.5	1750	2300	10
242739	520/XL series	3	2.5	7	1850	2500	20
242740	520/XL series	4	2.5	5.5	2000	2700	20

520/XF accessories

Item no.	Description
242284	520/XF covering cap
242723	Optional device

520/PRC and 520/PRL series

520/PRC series

520/PRL series

Product features

- Fully-equipped and pre-set pull-out cable reels
- Sealed casing made from cast aluminium (silver-grey)
- Fastening clip
- Return spring made from special steel
- Special cable black, end cut smooth, no connection coupling
- Factory-set to continuous tension, adjustable locking mechanism
- Easy to handle, sturdy
- Easy to assemble
- Standard IEC 1242

Technical data

Pull-out length	8 to 24m
Slip ring	2 to 5-pole
Operating voltage	max. 400V
Protection category PRC	IP42
PRL	IP43
Cable	H05VV-F or H07RN-F

520/PRC accessories

To reduce the ingress of dirt at the cable inlet, a covering cap is available as an accessory. This can be fitted at a later date and increases the protection category to IP 43.
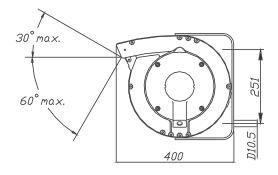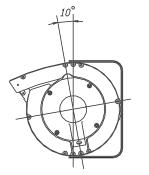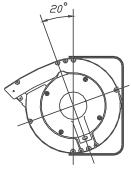
Installation instructions

Suitable installation options (see page 15)
A, C, G and N = swivel motion
E and F = fixed position with adjusting screw
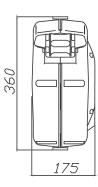Limited use with cover cap (cable inlet)

Cover securing mechanism

When the cover is fitted and in the case of a vertical cable uncoiling / coiling motion, the reel body is secured into the fastening clip.

Pull-out cable reels

GIFAS ELECTRIC

520/PRC and 520/PRL series

Item no.	Description	Number of wires	Cross-section in mm²	Cable length coiled +2.0m free	Output coiled in W	Output uncoiled in W	Current strength of the collector
242574	520/PRC series	3	1.0	24	1000	1700	10
242576	520/PRC series	4	1.0	24	800	1400	10
242579	520/PRC series	5	1.0	16	800	1400	10
242572	520/PRC series	2	1.5	24	1100	1800	10
242543	520/PRC series	3	1.5	20	1100	1800	10
242390	520/PRC series	3	1.5	24	1100	1800	10
242544	520/PRC series	4	1.5	16	1100	1800	10
242577	520/PRC series	4	1.5	21	1100	1800	10
242580	520/PRC series	5	1.5	11	1500	2200	10
242542	520/PRC series	3	2.5	12	2000	3000	20
242575	520/PRC series	3	2.5	15	2000	3000	20
242545	520/PRC series	4	2.5	10	2000	3000	20
242501	520/PRC series	4	2.5	15	2000	3000	20
242546	520/PRC series	5	2.5	8	2000	3000	20
242391	520/PRC series	5	2.5	10	2000	3000	20
242741	520/PRL series	2	1.0	24	1000	1700	10
242744	520/PRL series	3	1.0	24	1000	1700	10
242747	520/PRL series	4	1.0	24	800	1400	10
242751	520/PRL series	5	1.0	16	800	1400	10
242742	520/PRL series	2	1.5	24	1100	1800	10
242754	520/PRL series	3	1.5	20	1100	1800	10
242745	520/PRL series	3	1.5	24	1100	1800	10
242756	520/PRL series	4	1.5	16	1100	1800	10
242749	520/PRL series	4	1.5	21	1100	1800	10
242752	520/PRL series	5	1.5	11	1500	2200	10
242755	520/PRL series	3	2.5	12	2000	3000	20
242746	520/PRL series	3	2.5	15	2000	3000	20
242757	520/PRL series	4	2.5	10	2000	3000	20

520PRC accessories

Item no.	Description
261182	Covering cap

520/PRL accessories

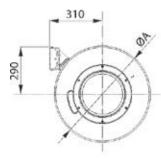| Item no.	Description
242723	Optional device

520/1700 series

Type 1

Type 2

Product features

- Pull-out cable reel made from hot-varnished aluminium and steel
- On the back is an additional bracket made from aluminium for secure ceiling or wall mounting.
- Optimum traction of the cable thanks to a steel spring
- The cable reel can be supplied with H05W-F or H07RN-F cables or no cable.

Technical data
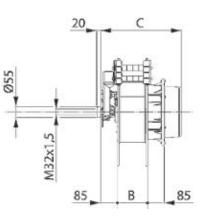
Ambient temperature	-5°C/+40°C
Max. coiling speed	40 m per minute
Insulating voltage slip ring	2.5KV
Protection category	IP65
Cable	H05VV-F or H07RN-F
Suitable	- for 1 to 24-pin cables with a pull-out length of max. 53 m
	- up to 63A

Item no.	Number of wires	Cross-section in mm²	Cable length coiled + 2.0 m Free	Output when coiled in W	Output when uncoiled in W	Cable	Type	Dimensions A	Dimensions B	Dimensions C	Dimensions D
262751	5	6.0	15	17000	22000	H05VV-F	1	Diam. 550	160	410	
269415	3	2.5	29	2000	3500	H07RN-F	1	Diam. 440	160	365	
271838	3	2.5	39	2000	3500	H07RN-F	1	Diam. 440	160	365	
273423	12	1.5	15	max. 4.5 A		H05VV-F	2		190	440	Diam. 550
274147	4	2.5	53	6000	8500	H07RN-F	2		190	395	Diam. 550
274434	4	2.5	29	6000	8500	H07RN-F	1	Diam. 550	160	365	
274707	5	6,0	14	17000	22000	H07RN-F	1	Diam. 550	160	410	
276813	5	6.0	24	17000	22000	H05VV-F	1	Diam. 550	160	410	

Hose reels

Mini / 810 / 813 PR series

Product features

- Hose reels or air and water
- Type Mini / 810 housing made from impact-resistant plastic
- Type 813 PR housing made from cast aluminium, enamelled yellow
- Incl. wall mount
- Factory-fitted with lock, set at approx. every 50 cm
- Can be converted to continuous tension
- Simple assembly

Mini series

Item no.	Hose length in m*	Internal diam. in mm	Connection	pressure in bar	Dimensions WxHxD in mm	Weight in kg
242816	5.5	6	$^1/_4$"	12	135x285x302	approx. 3.9

* coiled + 1m free

810 series

Item no.	Hose length in m*	Internal diam. in mm	Connection	pressure in bar	Dimensions WxHxD in mm	Weight in kg
242590	9	8	$^1/_4$"	15	130x315x330	approx. 4.0

* coiled + 1m free

813 PR series

Item no.	Hose length in m*	Internal diam. in mm	Connection	pressure in bar	Dimensions WxHxD in mm	Weight in kg
242592	10	8	$^1/_4$"	12	175x251x400	10.50
242594	7	10	$^3/_8$"	12	175x251x400	10.50

* coiled + 2m free

Type 810
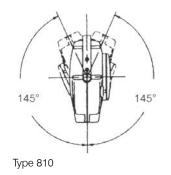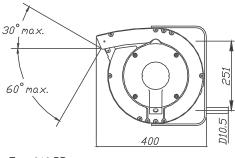
Type 813 PR

8000 series

Product features
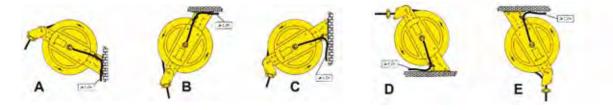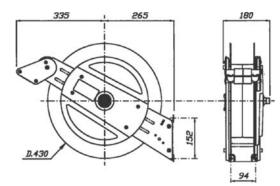
- Hose reels or air and water
- Large model for air and cold water
- Reel body and carrying frame made from zinc-plated sheet steel
- Simple installation
- Large variety of assembly options
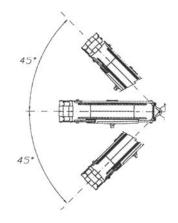
Item no.	Hose length in m*	Internal diam. in mm	Connection	pressure in bar	Dimensions WxHxD in mm	Weight in kg
242595	20	10	$^3/_8$"	20	180x430x600	19
242596	11	13	$^1/_2$"	20	180x430x600	16

* coiled + 1m free

Mounting options

Type 8000, can be swivelled with additional equipment

GIFAS ELECTRIC

Cable reels / Pull-out cable reels

Cable reels / Pull-out cable reels

Cable reels / Pull-out cable reels

GIFAS
ELECTRIC

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Industrial sector
Safety equipment

Cable reels

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A SAFE CONNECTION EVERY STEP OF THE WAY.

Whether dry or wet, whether for connecting small devices or large machines: Electrical cables from GIFAS meet every challenge, from use in heavy industry to high operating temperatures. Additional cable bridges provide protection against abrasion or crimped cables as well as allowing for the safe use of the traffic routes without risk of tripping over.

Cables

LEUCHTFLEX

The GIFAS LEUCHTFLEX is ideal for connecting lighter electrical equipment with medium mechanical stresses. This polyvinyl chloride-insulated flexible cable satisfies tough demands in relation to mechanical and chemical stresses.

Product features

- Silicon-free cable
- Polyvinyl chloride insulated
- Above-average flexibility under normal conditions
- Compliant with DIN VDE 0281-1, HD 21.5.S3
- Cu wire cable structure compliant with DIN VDE 0295 Class 5, IEC 228 Cl. 5
- Conductor identification compliant with DIN VDE 0293

Technical data

Cable type	H05 VV-F
Operating voltage U_o/U	300/500V
Test voltage	3000V/50Hz
Temperature range	
- mobile	-15°C to +70°C
- fixed	-30°C to +70°C
Sheath colour	yellow

Areas of application

- Equipment, machine industry
- Mechanical workshops
- Transport (e.g. railways)
- Building sites
- Agriculture
- Food industry
- Municipal companies

Item no.	Conductor number x cross section in mm²	Leading number x cross section in mm ²	Cable external Ø in mm	Weight kg/km	Conductor identification	Minimum order quantity in m
102732	2x1.0	32x0.20	6.8	60	blue, brown,	
102743	2x1.5	30x0.25	7.4	100	blue, brown,	
102785	2x 2.5	51x0.25	9.2	130	blue, brown,	100
102842	3x 0.75	24x0.20	5.9	66	green-yellow, blue, brown	
102850	3x1.0	32x0.20	7.2	70	green-yellow, blue, brown	
102860	3x1.5	30x0.25	7.8	110	green-yellow, blue, brown	
102886	3x2.5	51x0.25	9.8	150	green-yellow, blue, brown	500
102911	4x0.75	24x0.20	6.9	79	green-yellow, brown, black, grey	
102925	4x1.5	30x0.20	8.8	125	green-yellow, brown, black, grey	
102946	4x2.5	51x0.25	10.9	210	green-yellow, brown, black, grey	500
102962	5x0.75	24x0.20	7.5	100	green-yellow, blue, brown, black, grey	
102978	5x1.5	30x0.25	9.6	145	green-yellow, blue, brown, black, grey	
102999	5x2.5	51x0.25	12.0	230	green-yellow, blue, brown, black, grey	

Other designs available upon request.
The cable can be printed with your company name (from 100m per cross-section).

EXTREMFLEX PUR

GIFAS EXTREMFLEX PUR is intended for use in dry, moist and wet environments. This PUR-sheathed heavy current cable satisfies increased or above-average demands. It is suitable for the connection of commercial and industrial equipment or tools such as drilling machines and sanders.

Product features

- Silicon and halogen-free cable
- Particularly resistant to impacts as well as being wear and cut-resistant
- Resistant to microbes, UV rays, oils, greases, petrol, water and weathering
- Compliant with DIN VDE 0282 Part 10, HD 22.10.S1
- Cu wire cable structure compliant with DIN VDE 0295 pure all 2- and 3- wire cables class 6, IEC 228 Cl. 6 all 4- and 5- wire cables class 5, IEC 228 Cl. 5
- Conductor identification compliant with DIN VDE 0293

Technical data

Cable type	H05 BQ-F, H07 BQ-F (from 1.5 mm^2)
Operating voltage U_o/U	300/500V (H05)
	450/750V (H07)
Test voltage	2000V/50Hz (H05)
	2500V/50Hz (H07)
Temperature range	
- mobile	- 25°C to +80°C
- fixed	-40°C to +90°C
Sheath colour	yellow

Areas of application

- Industry
- Shipyards
- Transportable motors or machines on construction sites

Item no.	Conductor number x cross section in mm²	Leading number x cross section in mm ²	Cable external Ø in mm	Weight kg/km	Conductor identification
102740	2x1.0	56x0.15	6.9	59	blue, brown
102751	2x1.5	84x0.15	8.5	89	blue, brown
102859	3x1.0	56x0.15	7.3	73	green-yellow, blue, brown
102876	3x1.5	86x0.15	9.0	109	green-yellow, blue, brown
102897	3x2.5	140x0.15	10.5	159	green-yellow, blue, brown
102937	4x1.5	30x0.25	9.8	137	green-yellow, brown, black, grey
102991	5x1.5	30x0.25	10.8	171	green-yellow, blue, brown, black, grey
103011	5x2.5	50x0.25	13.1	250	green-yellow, blue, brown, black, grey
206485	5x4.0	56x0.30	15.5	406	green-yellow, blue, brown, black, grey
206486	5x6.0	84x0.30	16.9	536	green-yellow, blue, brown, black, grey

The cable can be printed with your company name (from 100m per cross-section).

Cables

PROFLEXX H07

GIFAS PROFLEXX H07 is intended for use in dry, moist and wet spaces or for outdoors use, such as for the connection of equipment in industrial workshops or workshops at risk of fire. In the case of protected, permanent installations, these cables can be operated with a maximum of 1000 V alternating current or 750 V direct current to earth.

Product features

- Outer sheath made from highly mechanically stable polychloroprene
- Silicon-free cable
- High flexibility, excellent weather, ozone, oil and alkali resistance
- High thermal load capacity
- This type of cable is approved in compliance with DIN VDE 0165 in workshops at risk of explosion.
- Compliant with DIN VDE 0282-4, HD 22.4.S3
- Cu wire cable structure compliant with DIN VDE 0295 Class 5, IEC 228 Cl. 5
- Conductor identification compliant with DIN VDE 0293

Technical data

Cable type	H07 RN-F
Operating voltage U_o/U	450/750V
Test voltage	2500V/50Hz
Temperature range	
- mobile	-25°C to +60°C
- fixed	-40°C to +60°C
- short-term	up to +250°C
Max. core temperature	in operation +85°C
	(standard +60°C)
Sheath colour	yellow

Areas of application

- Building sites
- Industry
- Shipyards
- Mobile electrical tools, motors and machinery

Item no.	Conductor number x cross section in mm²	Leading number x cross section in mm ²	Cable external Ø in mm	Weight kg/km	Conductor identification
112733	2x1.0	32x0.20	8.4	94	blue, brown
102745	2x1.5	30x0.25	9.5	120	blue, brown
110623	2x2.5	50x0.25	11.0	175	blue, brown
102863	3x1.5	30x0.25	10.1	150	green-yellow, blue, brown
102888	3x2.5	50x0.25	12.0	215	green-yellow, blue, brown
102927	4x1.5	30x0.25	11.2	190	green-yellow, brown, black, grey
128372	4x2.5	50x0.25	13.3	270	green-yellow, brown, black, grey
102980	5x1.5	30x0.25	12.3	230	green-yellow, blue, brown, black, grey
103001	5x2.5	50x0.25	14.5	325	green-yellow, blue, brown, black, grey
123840	5x4.0	56x0.30	16.9	475	green-yellow, blue, brown, black, grey
103029	5x6.0	84x0.30	18.8	630	green-yellow, blue, brown, black, grey
102997	5x16.0	128x0.40	27.6	1530	green-yellow, blue, brown, black, grey

The cable can be printed with your company name (from 100m per cross-section).

THERMFLEX

This GIFAS THERMFLEX is intended for use in dry and moist areas with moderate mechanical stresses. It serves as a connecting cable for control devices on tool equipment, conveyor systems, production lines, etc.

Product features

- Halogen and silicon-free cable
- Exterior sheath made from cross-linked polymer, compliant with DIN VDE 0266, HXM 1
- Flame-retardant, oil-resistant
- Excellent resistance to chemical influences from ozone, mineral oils, diluted acids and alkalis
- High mechanical stability guarantees a long service life
- Modelled on DIN VDE 0281-13 and DIN VDE 0282-9
- Cu wire cable structure compliant with DIN VDE 0295 Class 5, IEC 228 Cl. 5
- Conductor identification compliant with DIN VDE 0293

Technical data

Cable type	(N) HXSLHXÖ-J
Operating voltage U_o/U	300/500V
Test voltage	2000V/50Hz
Temperature range	
- mobile	-25°C to +100°C
- fixed	-40°C to +100°C
Sheath colour	orange

Areas of application

- Chemical industry
- Pharmaceutical industry
- Paper industry
- Automotive industry

Item no.	Conductor number x cross section in mm²	Leading number x cross section in mm²	Cable external Ø in mm	Weight kg/km	Conductor identification
102731	2x0.75	24x0.20	5.6	83	1-2 numbered
102750	2x1.5	30x0.25	6.4	119	1-2 numbered
102848	3x0.75	24x0.20	5.9	100	1-2 numbered, green-yellow
102873	3x1.5	30x0.25	6.8	129	1-2 numbered, green-yellow
102894	3x2.5	51x0.25	8.3	197	1-2 numbered, green-yellow
102934	4x1.5	30x0.25	7.6	154	1-3 numbered, green-yellow
102952	4x2.5	51x0.25	9.2	237	1-3 numbered, green-yellow
102967	5x0.75	24x0.20	7.2	143	1-4 numbered, green-yellow
102988	5x1.5	30x0.25	8.3	198	1-4 numbered, green-yellow
103008	5x2.5	51x0.25	10.1	289	1-4 numbered, green-yellow
103064	7x1.5	30x0.25	10.0	274	1-6 numbered, green-yellow

The cable can be printed with your company name (from 100m per cross-section).

Cables

EXTREMTHERM

This GIFAS EXTREMTHERM hose cable is extremely resistant to concentrated organic and inorganic acids and alkalis, salts, solvents and various halogens and gases.

Product features

- Fluoropolymer insulated
- Extremely heat-resistant
- Nickel-plated Cu conducting wires
- High thermal and chemical stability
- Cu conducting wire structure compliant with DIN VDE 0295 Class 5, IEC 228 Cl. 5
- Conductor identification compliant with DIN VDE 0293

Technical data

Operating voltage U_0/U 600 V
Test voltage   2000V/50Hz
Temperature range
- constant   -190°C to +260°C
- short-term   up to +300°C
Sheath colour   red

Areas of application

- Chemical industry
- Oil, gas industry
- Pharmaceutical and cosmetic industry
- Power plants
- Other industrial systems

Item no.	Conductor number x cross section in mm²	Leading number x cross section in mm ²	Cable external Ø in mm	Weight kg/km	Conductor identification
203024	3x1.5	30x0.25	5.8	100	green-yellow, blue, brown

Other cross-sections and lengths available upon request.

LEUCHTFLEX / EXTREMFLEX PUR

PROFLEXX H07

Product features

- Vulcanised contour plug on 2-wire cable
- Vulcanised protective contact plug on 3-wire cable
- Free end stripped, uninsulated and equipped with wire end sleeves

Product features

- Vulcanised contour plug on 2-wire cable
- Vulcanised protective contact plug on 3-wire cable
- Moulded CEE plug
- Free end stripped, uninsulated and equipped with wire end sleeves

Leuchtflex H05 VV-F

Item no.	Length in m	Conductor number x cross section in mm²	Plug
100427	3	2x1.0	Contour plug
100431	3	2x1.5	Contour plug
100440	3	3x1.5	Protective contact plug
100448	5	2x1.0	Contour plug
100452	5	2x1.5	Contour plug
100459	5	3x1.5	Protective contact plug
100410	10	2x1.0	Contour plug
100412	10	2x1.5	Contour plug
100414	10	3x1.5	Protective contact plug

Proflexx H07 RN-F

Item no.	Length in m	Conductor number x cross section in mm²	Plug
112735	3	2x1.0	Contour plug
100435	3	2x1.5	Contour plug
100444	3	3x1.5	Protective contact plug
133852	4	2x1.0	Contour plug
112737	5	2x1.0	Contour plug
100454	5	2x1.5	Contour plug
100464	5	3x1.5	Protective contact plug
119034	10	2x1.0	Contour plug
115728	10	2x1.5	Contour plug
116195	10	3x1.5	Protective contact plug
206857	3	3x1.5	CEE 3x16A/230V
206892	5	3x1.5	CEE 3x16A/230V

Extremflex H05 BQ-F or from 1.5m m² H07 BQ-F

Item no.	Length in m	Conductor number x cross section in mm²	Plug
206919	3	2x1.0	Contour plug
207609	3	2x1.5	Contour plug
206918	3	3x1.5	Protective contact plug
203681	5	2x1.0	Contour plug
203684	5	2x1.5	Contour plug
211890	5	3x1.0	Protective contact plug
203688	5	3x1.5	Protective contact plug
203682	10	2x1.0	Contour plug
203686	10	2x1.5	Contour plug
203689	10	3x1.5	Protective contact plug

The minimum order quantity per Type

25 pieces with Contour plug or Protective contact plug
50 pieces with CEE plug

Other cross-sections and lengths available upon request.

Extensions

PROFLEXX 07 230/400/500V

Cable type H07 RN-F with moulded-on plug connectors

Areas of application

- Industry
- Assembly plants
- Power plants
- Building sites
- Services
- ESC
- Anywhere that current needs to be distributed safely

Item no.	GIFAS type	Length in m	Conductor number x cross section in mm²	Plug / connector
258003	111/211/10/4315PROFLEXX H07	10	3x1.5	Protective contact plug / protective contact connector
269425	111/211/20/4315PROFLEXX H07	20	3x1.5	Protective contact plug / protective contact connector
113964	111/313/10/4315PROFLEXX H07	10	3x1.5	Protective contact plug / 3-way protective contact connector
112131	111/313/20/4315PROFLEXX H07	20	3x1.5	Protective contact plug / 3-way protective contact connector
120123	301656/57/10/4525PROFLEXX H07	10	5x2.5	CEE 5x16A/400V
113748	301656/57/20/4525PROFLEXX H07	20	5x2.5	CEE 5x16A/400V
275940	301656.2/57/10/4525PROFLEXX H07	10	5x2.5	CEE 5x16A/400V CEE plug with phase inverter
285566	301656.2/57/20/4525PROFLEXX H07	20	5x2.5	CEE 5x16A/400V CEE plug with phase inverter
107247	303256/57/10/4560PROFLEXX H07	10	5x6.0	CEE 5x32A/400V
114808	303256/57/20/4560ROFLEXX H07	20	5x6.0	CEE 5x32A/400V
275943	303256.2/57/10/4560PROFLEXX H07	10	5x6.0	CEE 5x32A/400V CEE plug with phase inverter
285567	303256.2/57/20/4560PROFLEXX H07	20	5x6.0	CEE 5x32A/400V CEE plug with phase inverter
112384	306356/57/10/45160PROFLEXX H07	10	5x16.0	CEE 5x63A/400V
102221	306356/57/20/45160PROFLEXX H07	20	5x16.0	CEE 5x63A/400V
259309	501646/47/10/4425H07	10	4x2.5	CEE 4x16A/500V
207628	501646/47/20/4425H07	20	4x2.5	CEE 4x16A/500V
259313	503246/47/10/4460H07	10	4x6.0	CEE 4x32A/500V
244024	503246/47/20/4460H07	20	4x6.0	CEE 4x32A/500V
125615	506346/47/10/44160H07	10	4x16.0	CEE 4x63A/500V
245001	506346/47/20/44160H07	20	4x16.0	CEE 4x63A/500V

Other designs available upon request.

PROFLEXX H07 with residual current protection device PRCD-S

Portable residual current protection device with electronic residual current analysis for optimised personal safety as an in-line device. Any faults caused by faulty consumers result in all-pole cut-off (DIN VDE 0661). In the event of fixed-installation system errors, all possible faults are detected and the PRCD-S cannot be switched on. The PRCD-S detects residual current on the protective conductor, does not interrupt the protective conductor connection, and the residual current can as a result be released via their own, upstream protective devices (RCCB and LS).

Product features

- Encapsulated design for harsh conditions
- Suitable for direct connection to the electrical device's supply cable (H07 RN-F 3G2, 5 mm^2)
- Unaffected by the plug system used
- Large, easy to operate ON and OFF buttons
- Additional visual switch position display
- Undervoltage triggering
- All-pole switching
- Can be installed in cable drums and mobile distributors

Technical data

Rated voltage	230V/50Hz
Rated current	16A
Nominal fault current	10 or 30mA
Ambient temperature	– 25°C to +40°C based on a daily mean value that does not exceed 35°C
Protection category	IP 55
Connection cross-section	1 mm^2 to 2.5 mm^2
Test marks	GS of the BG/Cologne
Standard / regulations	DIN VDE 0661 DIN 40040 and DIN EN 60721

Areas of application

- Building sites
- Fire brigade operations
- Workshops
- For all portable electrical equipment

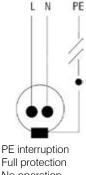| Item no.	Length in m	Conductor number x cross section in mm^2	Plug
246171	2	3x1.5	Protective contact plug / protective contact connector
234890	2	3x1.5	Protective contact plug / protective contact 3-way connector
234891	2	3x1.5	Protective contact angled plug, protective contact connector

Intact socket
Full protection
Operation
possible

N interruption
Full protection
No operation
possible
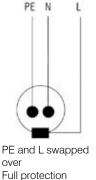
PE interruption
Full protection
No operation
possible

PEN interruption
Full protection
No operation
possible
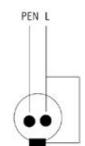
PE and L swapped
over
Full protection
No operation
possible

L and PE
swapped over
Protection
compliant with
VDE 0661

Other designs available upon request.

Specialist cables

KRANFLEX

GIFAS KRANFLEX is a special mixture of cold-flexible, weather-resistant PVC acting both as a sheath and as a wire material. The tensile forces that occur are absorbed by two steel cable supporting elements that are arranged in an opposite and axis-parallel manner and which are linked to the exterior sheath.

Product features

- Crane and lifting equipment control cable based on DIN EN 60811

Technical data

Carrying force	up to 135kg
Critical point	approx. 190kg
Temperature range	
- constant	-30°C to +70°C
- defined	-40°C to +70°C
Rated voltage U_0/U	300/500V
Test voltage	3000V
Wire conductor structure	DIN VDE 0295, Class 5
Wire ID code	DIN VDE 0293

Areas of application

- On control lamps
- In converter operation
- As self-supporting shaft cabling
- In high-rack systems
- In cable tracks, etc.

Item no.	Conductor number x cross section in mm²	Cable external Ø d1 / d2 in mm	Weight in kg/km
102697	12x1.0	14.9 / 27.3	446
102717	18x1.0	17.0 / 32.0	528
102827	25x1.0	21.0 / 36.0	660

WENDELFLEX PUR

The long-lasting return force, even in daily use under difficult conditions, is what makes this spiral cable stand out.

Product features

- High quality, long service life
- Excellent recoil forces, even in cold climates
- Tested with a million load cycles without failure
- Microbe-resistant, therefore also suitable for refrigerated warehouses

Technical data

Cable type	H05 BQ-F, H07 BQ-F
Temperature range	-30°C to +80°C
Rated voltage U_0/U	300/500V (H05)
(HAR)	450/750V (H07)
Test voltage	2000V (H05)
	2500V (H07)
Wire conductor structure	DIN VDE 0295, Class 5
	IEC 228 Cl.5
Wire ID code	DIN VDE 0293

Areas of application

- For industrial robots
- Drills, screwdrivers and other hand-held equipment
- High-performance machinery
- Lifting platforms
- Lights

Item no.	Conductor number x cross section in mm²	Free ends in mm	Coil length in mm	Extended length in mm
211373	2x1.0	500	800	3000
212040	2x1.0	500	1500	6000
211375	3x1.5	500	800	3000
211774	3x1.5	500	1000	4000
211652	3x1.5	500	1500	6000
211377	5x1.5	500	800	3000
230228	5x1.5	500	1200	4800

Other cross-sections and lengths available upon request.

POTIFLEX

The green/yellow exterior sheath of the highly flexible grounding spiral cable is made from polyether polyurethane and is therefore free of cadmium, CFCs, halogens and silicon. The green-yellow colour provides additional safety. The cable is mainly used for potential equalisation.

Product features

- Low weight
- Temperature and corrosion-resistant
- Impact resistant in high and low temperature range
- Relatively high compressive stability with low wall thickness
- Seawater-resistant, shatter-proof and impact-resistant, resistant to termites, ozone-resistant
- Extensively resistant to acids, alkalis and solvents
- Oil-resistant exterior sheath compliant with VDE 0472 Part 803
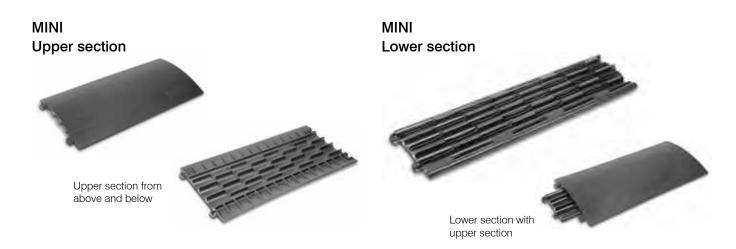
Technical data

Temperature range	-40°C to 80°C (short-term 100°C)
Voltage	1000V
Testing alternating voltage	3500V
Wire structure	ultra-fine wire, Class 6
Single conductor	EL Cu 58 F 21 stripped/soft
Conductor resistance	compliant with DIN VDE 0295, IEC 60228
Coil length	600mm
Free ends	450mm
Extended length	5000mm

Areas of application

- Measuring and control and laboratory technology
- Chemical industry
- Medicine and electrical engineering
- Automotive industry
- Equipment construction
- Pneumatics and hydraulics
- Food industry

Item no.	Connections	Conductor number x cross section in mm²
248523	Free ends	1x6.0
249277	1 ground clamp 1 M8 cable lug	1x6.0
248769	2 ground clamps	1x6.0
248526	Free ends	1x10.0
249154	1 ground clamp 1 M8 cable lug	1x10.0
248773	2 ground clamps	1x10.0
248527	Free ends	1x16.0
249659	1 ground clamp 1 M8 cable lug	1x16.0
248784	2 ground clamps	1x16.0

Cable protectors

GIFAS ELECTRIC

MINI
Upper section

Upper section from above and below

The low-cost version of GIFAS cable protectors. Rows of bumps moulded into the base allow a large number of cables to be laid under the MINI and the weight of vehicles driving over it to be supported. Not suitable for trucks/lorries! Moulded connecting tenons allow quick connections and the tenons cannot be lost afterwards.
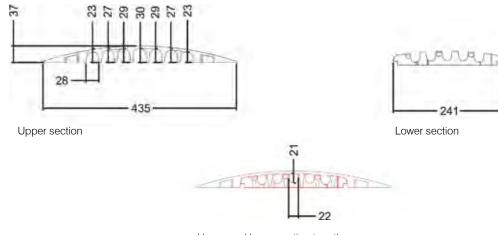
Technical data

Material	black polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Dimensions (LxWxH)	806x435x37mm
Channels	7
Channel width	28mm
Channel height	23-30mm
Weight	3.6kg

Item no.	Description
242930	MINI cable protector

MINI
Lower section

Lower section with upper section

The ultimate extension for heavy loads. Our MINI stays true to its line. Easy to handle, quick to lay, low protector heights and now also even with a high load-bearing capacity. The unique MINI lower section connects with the MINI to form a single unit. The reinforced cable protector can withstand even extreme loads. Even forklift trucks and lifting trucks can now drive over these protectors without causing any problems. If several MINIs with a lower section are laid in a line, they remain in a stable row even when driven over by a car.

Technical data

Material	black polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Dimensions (LxWxH)	804x241mm
Channels	5
Channel width	22mm
Channel height	21mm
Weight	3.5kg

Item no.	Description
258893	Lower section for MINI cable protector

Upper section

Lower section

Upper and lower section together
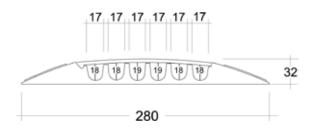
Cable protectors

SLIM

The smallest model with the biggest potential. Lightweight, professional, suitable for wheelchairs and universally usable. Equipped with 6 channels, this cable protector meets all the expectations of a professional cable protection system in the smallest possible space.

Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 2t/400 mm²
Dimensions (LxWxH)	1000x280x32mm
Channels	6
Channel width	18-19mm
Channel height	17mm
Weight	4.4kg

Item no.	Description
266557	SLIM 6-channel cable protector

SMART

The dwarf among giants. Lightweight, professional and universally usable. The SMART cable protector satisfies all of the demands made of a professional cable protection system and extends the GIFAS range with a compact, extremely lightweight cable protector that can be driven over in the familiar black/yellow design.
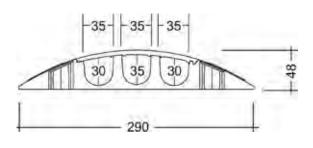
Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	2t/400mm²
Dimensions (LxWxH)	1000x290x48mm
Channels	3
Channel width	35mm
Channel height	30mm, 35mm, 30mm
Weight	5kg

Item no.	Description
262866	SMART 3-channel cable protector

Product features
- For electricity, gas, water, compressed air and hydraulic lines
- Non-slip, temperature-resistant, weathering-resistant, wear-resistant
- Resistant to solvents, petrol, oil, acid and de-icing salt
- Extensions possible with moulded-on or mounted tenons
- Structured non-slip surface
- Self-cleaning locking hinge
- DEKRA-certified - tested product safety

Cable protectors

MIDI

The MIDI cable protector has 5 channels, is lower and weighs less than the PROTECT and moulded-on connectors. Its load-bearing capacity is similar to that of PROTECT.

Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 5t/400 mm^2
Dimensions (LxWxH)	890x542x52mm
Channels	5
Channel width	34mm
Channel height	36mm
Weight	11.5kg

Item no.	Description
247921	MIDI 5-channel cable protector
247924	MIDI end piece incl. separate connecting tenons
247923	45° MIDI elbow

End piece

Elbow 45°C

PROTECT

With PROTECT, the individual cable protectors can be connected to each other using screwed-on tenons. Each cable protector is supplied with a pair of pre-mounted connecting tenons. A full range of accessory parts extends the PROTECT range to create a flexible system for protecting expensive cables.
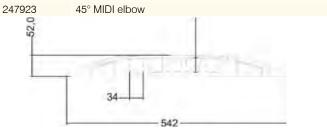
Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 5t/400 mm^2
Dimensions (LxWxH)	1000x600x73mm
Channels	3
Channel width	52mm, 45mm, 56mm
Channel height	49mm, 50mm, 49mm
Weight	22kg

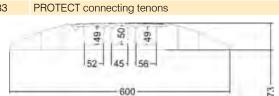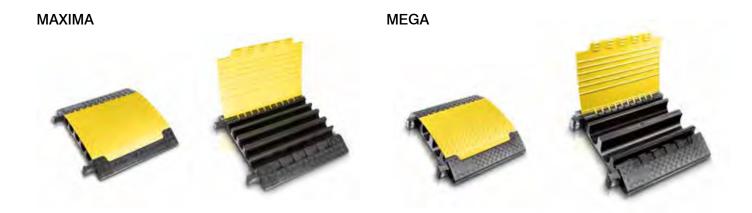| Item no.	Description
242122	Cable protector PROTECT 3 channel
242184	PROTECT end piece
249217	45° PROTECT elbow
242183	PROTECT connecting tenons

End piece

Elbow 45°C

MAXIMA

The MAXIMA has 5 over-sized cable channels, 3 of them suitable for C-hose types used by the fire brigade (diameter 62 mm). Heavy current cables are afforded optimum protection too. When used in public traffic situations, please be aware of road traffic acts that are pertinent to your country.

Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 5t/400 mm²
Dimensions (LxWxH)	700x696x87mm
Channels	5
Channel width	61mm, 62mm, 60mm, 62mm, 61mm
Channel height	59mm, 65mm, 63mm, 65mm, 59mm
Weight	21.4kg

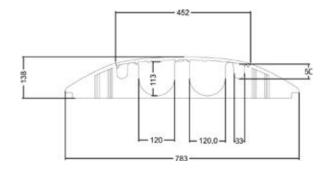| Item no.	Description
256032	Cable protector MAXIMA 5 channel
256034	MAXIMA end piece incl. separate connecting tenons

End piece

MEGA

The MEGA was developed for major events. The main features of this heavy-load protector are its oversized cable / hose channels for cables of up to 120 mm (e.g. 2 x A hose), shatter-proof connectors and plug housing not >= 100 mm. When used in public traffic situations, please be aware of road traffic acts that are pertinent to your country.

Technical data

Material in lower section	black polyurethane
Material in upper section	yellow polyurethane
Fire safety class	B2 (compliant with DIN 4102)
Working range	-30°C to +60°C
Hardness range	88 Shore ± 4A.
Max. load	approx. 5t/400 mm²
Dimensions (LxWxH)	700x783x139mm
Channels	2+2
Channel width	35mm, 120mm, 120mm, 35mm
Channel height	50mm, 115mm, 115mm, 50mm
Weight	30.5kg

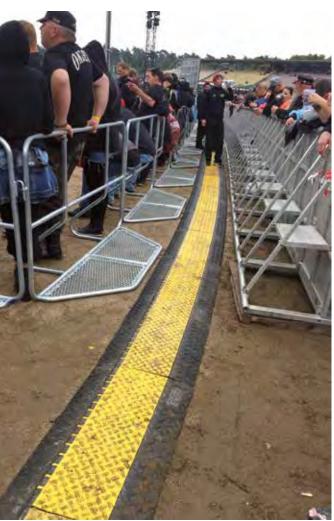| Item no.	Description
256985	MEGA 4-channel cable protector

Use cases Cables / Cable protectors

Use cases Cables / Cable protectors

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Construction industry
Public sector
Industrial sector
Safety equipment

Cables
Cable protectors

**Online products available
at www.gifas.de/en**
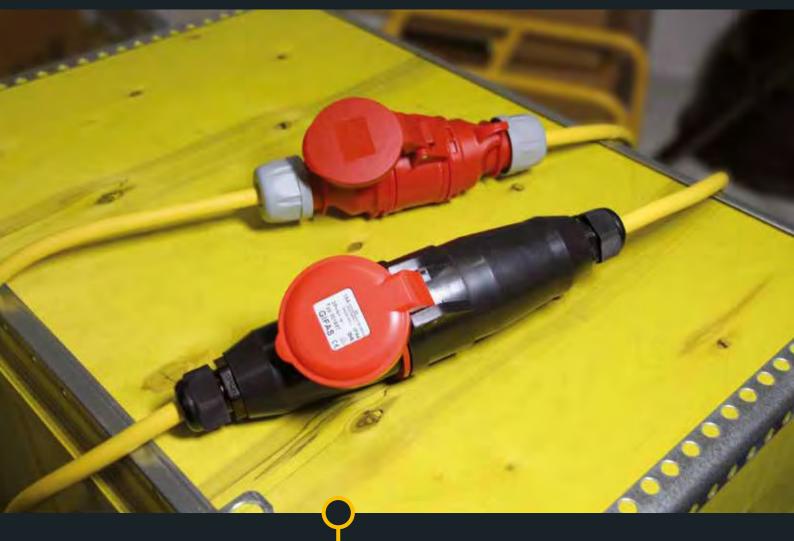
Find the suitable product
solution for you on our
website and read all the
latest news about our
products.

BIG, EVEN ON A SMALL SCALE.

Unbreakable, resistant to most oils, acids and alkalis, flame retardant and corrosion resistant: Plug connections made of solid rubber are a plus in every respect. Use our extensive range of CEE and special connectors in extraordinary situations or choose one of our standard plastic connectors for everyday use.

General

Features
Solid rubber plug connectors

Solid rubber

Plug connections made of solid rubber are made of 100% vulcanised, self-extinguishing butyl caoutchouc (Shore hardness 97) in accordance with VDE 0471 part 2.2. They are resistant to oils, various acids and alkalis as well as showers of sparks from welding.

Vulcanised

VA, double anchor screws with stainless brass press-in sockets are inserted into the housing. The peer-to-peer material connection and the solid rubber provide maximum impermeability and the avoidance of condensation due to e.g., temperature fluctuations.

Durability

Featuring elastic deformability that leads to reducing the possibility of breakage due to the use of solid rubber. Suitable for use in demanding environments.

Tension

Proven to relieve tension in the connecting cable. Safe, practical and durable.

Features
Plastic plug connectors

Plastic

We guarantee a heavy load-bearing capacity as well as high impact resistance in our plastic products. The selected material is UV- and media-resistant as well as heat and cold resistant (from -40°C to 80°C). The right solution for typical use in trade and industry.

Connected accurately

All components have been manufactured and assembled according to the current quality standards.

Range of application

KU connectors are used daily in industrial applications under normal, ambient conditions. Durable and reliable.

Quick acting closure

Built-in tension relief thanks to the simple twist-closing of cap and housing receptacle.
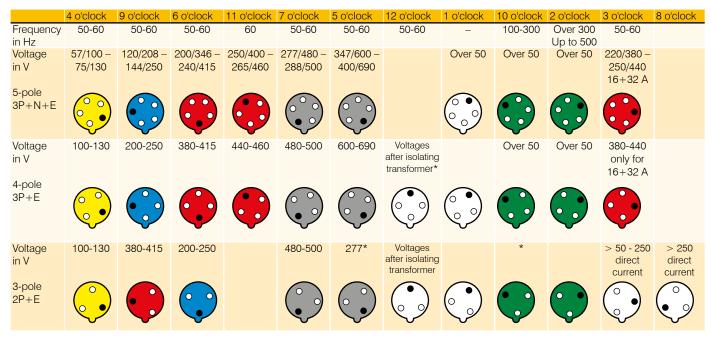
The principle of the voltage clock (time setting)

The position of the protective earth contact relative to the unchangeable lug or slot on the housing indicates the time. The lug or slot is in the 6 o'clock position on all designs. Unlike the lug or slot, the protective earth contact takes its standardised time setting from the required electrical values. In order to facilitate simple product identification, the various clock settings are assigned based on the colours defined by the standard.

The position of the protective contact socket relative to the polarising slot for various operating voltages (V) and frequencies (Hz) based on IEC 60309.

Operating voltage colours	Identifying
20-25 V	violet
40-50 V	white
100-130 V	yellow
200-250 V	blue
380-480 V	red
500-690 V	black
>60-500 Hz	green

Time setting on the protective contact and coloured identification:

	4 o'clock	9 o'clock	6 o'clock	11 o'clock	7 o'clock	5 o'clock	12 o'clock	1 o'clock	10 o'clock	2 o'clock	3 o'clock	8 o'clock
Frequency in Hz	50-60	50-60	50-60	60	50-60	50-60	50-60	–	100-300	Over 300 Up to 500	50-60	
Voltage in V 5-pole 3P+N+E	57/100 – 75/130	120/208 – 144/250	200/346 – 240/415	250/400 – 265/460	277/480 – 288/500	347/600 – 400/690		Over 50	Over 50	Over 50	220/380 – 250/440 16+32 A	
Voltage in V 4-pole 3P+E	100-130	200-250	380-415	440-460	480-500	600-690	Voltages after isolating transformer*		Over 50	Over 50	380-440 only for 16+32 A	
Voltage in V 3-pole 2P+E	100-130	380-415	200-250		480-500	277*	Voltages after isolating transformer		*		> 50 - 250 direct current	> 250 direct current

View of the front of the coupling sockets on the contact sockets / 63A + 125A plug connections with pilot contact
*These designs are not standardised.

Position of the auxiliary lug relative to the base lug for voltages up to 50 V and frequencies up to 500 Hz and colour identification:

	–	12 o'clock	4 o'clock	2 o'clock	3 o'clock	11 o'clock	10 o'clock
Frequency in Hz	50-60	50-60	100-200	300	400	Over 400 Up to 500	GS
Voltage in V 2-pole	20-25	40-50	40-50	Up to 50	Up to 50	Up to 50	Up to 50
3-pole							

View of the front of the coupling sockets on the contact sockets

Solid rubber
protective contact plug connectors

Solid rubber protective contact plug connectors

Product features

- Resistant to most oils, acids and alkalis
- Chromated screws
- Flame-retardant as per EN 60695-2-13
- Corrosion-resistant as per IEC 60884-1
- Screwless, outer strain relief (shortened connection time)
- Heat resistance from -40°C to + 120°C
- Unbreakable solid rubber body, apart from protective contact built-in socket
- Large connecting spaces ensure problem-free connection of the supply cable to the plugs, connectors and sockets.
- Simple connection technique
- Ergonomic shape for perfect ease of handling
- ◇ for harsh conditions

Protective contact plug

Item no.	Pole No.	Amperes	Protection category
108071	2P+E	16	IP 44

Protective contact connector

Item no.	Pole No.	Amperes	Protection category
108113	2P+E	16	IP 44

Protective contact 3-way connector

Item no.	Pole No.	Amperes	Protection category
102328	2P+E	16	IP 44

Protective contact built-in socket (made from plastic)
with flap cover and flange seal

Item no.	Pole No.	Amperes	Protection category
246198	2P+E	16	IP 54*

*Note! Compliant with BGI 608. IP 54 when connected!

Solid rubber low-voltage CEE plug connectors for 24/42 V

Product features

- Resistant to most oils, acids and alkalis
- SS screws set in brass press-fit bushings with dual anchor
- Flame-retardant as per DIN IEC 695
- Unbreakable solid rubber body
- Corrosion-resistant
- Large connecting spaces ensure problem-free connection of
  the supply cable to the plugs, connectors and sockets.
- Ergonomic shape for perfect ease of handling

CEE plug

Item no. 24V 50-60 Hz	Item no. 42V 50-60 Hz	Pole No.	Amperes	Protection category IP
239558		2	16	54
	239640	2	16	54

CEE connector

Item no. 24V 50-60 Hz	Item no. 42V 50-60 Hz	Pole No.	Amperes	Protection category IP
101545		2	16	54
	108197	2	16	54

CEE built-in socket

Item no. 24V 50-60 Hz	Item no. 42V 50-60 Hz	Pole No.	Amperes	Protection category IP
101550		2	16	54
	102771	2	16	54

CEE mounted socket (not shown)

Item no. 24V 50-60 Hz	Item no. 42V 50-60 Hz	Pole No.	Amperes	Protection category IP
101547		2	16	54
	102765	2	16	54

Solid rubber
CEE plug connectors

Solid rubber CEE plug connectors for 230V/400V

Product features

- Resistant to most oils, acids and alkalis
- SS screws set in brass press-fit bushings with dual anchor
- Flame-retardant as per DIN IEC 695
- Unbreakable solid rubber body
- Corrosion-resistant
- Large connecting spaces ensure problem-free connection of the supply cable to the plugs, connectors and sockets.
- Ergonomic shape for perfect ease of handling

CEE plug

IP 44

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Pole No.	Amperes	Protection category IP
122183		3	16	44
	107183	5	16	44
	107165	5	32	44
	118827	5	63	67

CEE connector

IP 44

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Pole No.	Amperes	Protection category IP
120150		3	16	44
	107147	5	16	44
	107134	5	32	44

CEE built-in socket

IP 67

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Pole No.	Amperes	Protection category IP
101401		3	16	44
	101993	5	16	44
	102095	5	32	44

CEE mounted socket

IP 44

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Pole No.	Amperes	Protection category IP
101394		3	16	44
200278		5	32	44
	101978	5	16	44
	102085	5	32	44

Plastic low-voltage CEE plug connectors for 24/42 V and high frequency

Product features

- Excellent impact resistance combined with first-class stability
- High thermal stability
- Very good insulating properties
- High dielectric strength
- High wear resistance
- High weather resistance
- Excellent chemical resistance to a large number of different chemicals
- Temperature resistant from -25°C to +80°C, for a short time
  1 h + 100°C
- Contacts made from a copper/zing alloy with high electrical
  conductivity, high tensile strength and high corrosion resistance

CEE plug

Item no. 24V 50-60Hz	Item no. 42V 50-60Hz	Item no. >50-500V 100-300 Hz	Pole No.	Amperes	Protection category IP
235293			2	16	44
279346			2	32	44
	240057		2	16	44
	240059		2	32	44
		231183	4	16	44
		262474	4	32	44

CEE connector

Item no. 24V 50-60Hz	Item no. 42V 50-60Hz	Item no. >50-500V 100-300Hz	Pole No.	Amperes	Protection category IP
244364			2	16	44
279347			2	32	44
	240058		2	16	44
	240060		2	32	44
		264656	4	16	44
		256393	4	32	44

CEE built-in socket straight design

Item no. 24V 50-60Hz	Item no. 42V 50-60Hz	Item no. >50-500V 100-300Hz	Pole No.	Amperes	Protection category IP
248891			2	16	44
259481			2	32	44
	240201		2	16	44
	262216		2	32	44
		209188	4	16	44
		255918	4	32	44

Plastic
CEE plug connectors

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Plastic CEE plug connectors for 230V/400V/500V

Product features

- Excellent impact resistance combined with first-class stability
- High thermal stability
- Very good insulating properties
- High dielectric strength
- High wear resistance
- High weather resistance
- Excellent chemical resistance to a large number of different chemicals
- Temperature resistant from -25°C to +80°C, for a short time
  1 h + 100°C
- Contacts made from a copper/zing alloy with high electrical
  conductivity, high tensile strength and high corrosion resistance

IP 44

IP 67

CEE plug

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Item no. 500V 50-60 Hz	Pole No.	Amperes	Protection category IP
269081			3	16	44
253627			3	32	44
277555			3	63	67
	240573		5	16	44
	240572		5	32	44
	233756		5	63	67
		259310	4	16	44
		245003	4	32	44
		244075	4	63	67

IP 44

IP 67

CEE connector

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Item no. 500V 50-60 Hz	Pole No.	Amperes	Protection category IP
236154			3	16	44
253626			3	32	44
277557			3	63	67
	240575		5	16	44
	240574		5	32	44
	233758		5	63	67
		259311	4	16	44
		245004	4	32	44
		245002	4	63	67

CEE built-in socket angled design

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Item no. 500V 50-60 Hz	Pole No.	Amperes	Protection category IP
200080			3	16	44
209820			3	32	44
277824			3	63	67
	200081		5	16	44
	200079		5	32	44
	133807		5	63	67
		242376	4	16	44
		241843	4	32	44
		241840	4	63	67

IP 44

IP 67

Plastic CEE plug connectors for 230V/400V/500V

Product features

- Excellent impact resistance combined with first-class stability
- High thermal stability
- Very good insulating properties
- High dielectric strength
- High wear resistance
- High weather resistance
- Excellent chemical resistance to a large number of different chemicals
- Temperature resistant from -25°C to +80°C, for a short time
  1 h + 100°C
- Contacts made from a copper/zing alloy with high electrical
  conductivity, high tensile strength and high corrosion resistance

CEE built-in socket straight design

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Item no. 500V 50-60 Hz	Pole No.	Amperes	Protection category IP
200195			3	16	44
230501			3	32	44
279345			3	63	67
	203538		5	16	44
	203537		5	32	44
	125273		5	63	67
		208969	4	16	44
		202925	4	32	44
		202802	4	63	67

IP 44   IP 67

CEE mounted socket

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Item no. 500V 50-60 H	Pole No.	Amperes	Protection category IP
	269084		5	16	44
	269085		5	32	44
	259996		5	63	67
		254371	4	16	44
		279429	4	32	44
		279430	4	63	67

IP 44   IP 67

CEE built-in connector plug

Item no. 230V 50-60 Hz	Item no. 400V 50-60 Hz	Item no. 500V 50-60 H	Pole No.	Amperes	Protection category IP
101410			3	16	44
	102003		5	16	44
	102103		5	32	44
	102246		5	63	67
		124772	4	16	44
		103163	4	32	44
		103201	4	63	67

IP 44   IP 67

Use cases based on wall mounted distributors / mobile distibutors / energy columns

Wall mounted distributor

Wall mounted distributor

Wall mounted distributor

Mobile distibutors

Energy columns

**Use cases based on cable reels / wall mounted distributors /
transformers / unterfloor distributors**

Cable reel

Cable reel

Mobile distibutors

Transformer

Unterfloor distributors

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Construction industry

Industrial sector

Plug connectors

**Online products available
at www.gifas.de/en**

Find the suitable product
solution for you on our
website and read all the
latest news about our
products.

SAFETY IS OUR TOP PRIORITY.

Whether in the chemical sector, energy production or in heavy industry: Wherever flammable substances are produced, processed, transported or stored, safety plays a particularly important role. Our recommendation for ATEX-certified, quality GIFAS products can be found in this chapter.

Labelling

GAS
Electrical equipment for explosive gas atmospheres (Device group II [Chemistry])

EPL	Standards IEC/EN		Type of protection
Ga	60079-0		General requirements
	60079-11	ia	Intrinsic safety
	60079-18	ma	Encapsulation
	60079-26		Equipment with equipment protection level (EPL) Ga
	60079-28	op is	Protection of equipment and transmission systems using optical radiation
Gb	60079-1	d	Flame-proof enclosure
	60079-2	p, px, py	Pressurised enclosure
	60079-5	q	Powder-filled enclosure
	60079-6	o	Oil immersion
	60079-7	e	Increased safety
	60079-11	ib	Intrinsic safety
	60079-18	mb	Encapsulation
	60079-25		Intrinsically safe electrical systems
	60079-27		Fieldbus intrinsically safe concept (FISCO)
	60079-28	op is op pr op sh	Protection of equipment and transmission systems using optical radiation
Gc	60079-11	ic	Intrinsic safety
	60079-18	mc	Encapsulation
	60079-15	nA	Type of protection «non-sparking»
	60079-15	nR	Steam cover
	60079-15	nL	Limited energy (old edition only)
	60079-15	nC	Sparking apparatus
	60079-2	pz	Pressurised enclosure
	60079-28	op is op pr op sh	Protection of equipment and transmission systems using optical radiation

DUST
Electrical apparatus for use in the presence of combustible dust (Device group III)

EPL	standards IEC/EN		Type of protection
Da	60079-0		General requirements
	60079-31	ta	Protection by enclosures
	60079-11	ia	Protection by intrinsic safety (iaD IEC/EN 61241-11)
	60079-18	ma	Protection by encapsulation
Db	60079-31	tb	Protection by enclosures
	60079-11	ib	Protection by intrinsic safety (ibD IEC/EN 61241-11)
	60079-18	mb	Protection by encapsulation
	61241-4	pD	Protection by excessive pressure 'pD'
Dc	60079-31	tc	Protection by enclosures
	60079-11	ic	Protection by intrinsic safety
	60079-18	mc	Protection by encapsulation
	61241-4	pD	Protection by excessive pressure 'pD'

Marking according to directive 94/9/EG (ATEX 95)

Identification number of the notified body (responsible for quality assurance)	
0102	Physikalisch-Technische Bundesanstalt PTB, Germany
0158	DEKRA EXAM GmbH, Germany
0032	TÜV CERT-Zertifizierungsstelle, Germany
0344	KEMA N.V., Netherlands
0081	LCIE Laboratoire Central des Industries Electriques, France
0080	INERIS, France
1180	BASEEFA, Great Britain
1258	Electrosuisse SEV, Switzerland

Category zones	
1	zones 0 / 20
2	zones 1 / 21
3	zones 2 / 22

G = Gas
D = Staub (Dust)

CE 0102 ⟨Ex⟩ II 2G

Marking according EN 60079-0

Equipment groups (Gas)	
IIA	Acetone, ethane, benzene, automotive gasoline, butane, propane, methane
IIB	Ethylene, town gas
IIC	Hydrogen, acetylene

Temperature class	Max. surface temperature
T1	< 450 °C
T2	< 300 °C
T3	< 200 °C
T4	< 135 °C
T5	< 100 °C
T6	< 85 °C

Ex d IIC T5 Gb

EPL	Standards IEC/EN		Type of protection
Ga	60079-11	ia	Intrinsic safety
	60079-18	ma	Encapsulation
Gb	60079-1	d	Flame-proof enclosure
	60079-2	p, px, py	Pressurised enclosure
	60079-7	e	Increased safety
	60079-11	ib	Intrinsic safety
	60079-18	mb	Encapsulation
Gc	60079-15	nA	Type of protection "non-sparking"
	60079-15	nR	Steam cover
	60079-2	pz	Pressurised enclosure

zone	Equipment protection level (EPL)
0	Ga
1	Gb and Ga
2	Gc, Gb and Ga

Surface temperature (see EN 60078-0)

CE 0102 ⟨Ex⟩ II 2D

II 2D

Ex tD A21 IP68 T95°C

Ex tb IIIC   T95°C Db

EPL	Standards IEC/EN		Type of protection
Da	60079-31	ta	Protection by enclosures
	60079-11	ia	Protection by intrinsic safety
	60079-18	ma	Protection by encapsulation
Gb	60079-31	tb	Protection by enclosures
	60079-11	ib	Protection by intrinsic safety
	60079-18	mb	Protection by encapsulation
	61241-4	pD	Protection by excessive pressure
Gc	60079-31	tc	Protection by enclosures
	61241-4	pD	Protection by excessive pressure

Equipment groups (Dust)	
IIIA	Fibres
IIIB	non-conductive dust
IIIC	Conductive dust

Zone	Equipment protection level (EPL)
20	Da
21	Db and Da
22	Dc, Db and Da

IP	First digit (against ingress of solid foreign bodies/ against access to hazardous parts) =	Second digit (against ingress of water with damaging effects)
4	≥ 1.0 mm diameter	Splash-proof
5	Dust-proof	Water jet
6	Dust-tight	Strong water jet
7		Temporary immersion
8		Continuous immersion

⟨Ex⟩ Cable reels

502 series

Plug connectors from STAHL

Plug connectors from CEAG

Plug connectors from ATX
Illustration similar

Product features

- Solid rubber cable reel in EX design
- Suitable for zone 1 and 2
- Zinc-plated steel tube frame, black powder-coated with brass feet
- Design with K2 and EX labelling
- With warning notice
  "Using the cable reel in an environment at risk of explosion of gas group IIC is only permitted if the cable is first connected or the cable reel is standing on a conductive base or conductive and earthed base."
- High mechanical stability
- Impact-resistant and ageing-resistant
- Internal wedge brake
- Maintenance-free
- Resistant to chemical influences
- Resistant to oils and acids
- UV and weather resistant

Technical data 502-EX STAHL

Labelling	⟨Ex⟩ II 2 G, CE 0102
Explosion protection	EEX de IIC, IIB, T6
Test report	PTB Ex 04-14334
EC type approval certificate	PTB 03 ATEX 1186
Protection category	IP54
Sim. factor	1
Weight	approx. 13kg
Measurements	300x410x230 mm

Technical datav 502-Ex CEAG

Labelling	⟨Ex⟩ II 2 G, CE 0102
Explosion protection 400V	EEX de IIC, IIC, T6
230V	EEX de IIC, IIB, T6
Test report	PTB Ex 04-14078
EC type approval certificate	PB03 ATEX 1186 G4
Protection category	IP54
Sim. factor	1
Weight of 502 Ex 400V/16A	approx. 13kg
502 Ex 230V/16A	approx. 18kg
Measurements	300x410x230 mm

Technical data 502-Ex ATX

Labelling	⟨Ex⟩ II 2 G, CE 0102
Explosion protection	EEX de IIC, IIB, T6
Test report	PTB Ex 04-14078
EC type approval certificate	PB03 ATEX 1186 G4
Protection category	IP54
Sim. factor	1
Weight of 502 30 m PROFLEXX-07	approx.13kg
502 50 m PROFLEXX-07	approx.18kg
Measurements	300x410x230 mm

Safety precautions

Always read the label on the cable reel before use!

Cable reel 502Ex is not suitable for zones 0, 20, 21 and 22. The temperature class and ignition protection classes specified on the equipment must be complied with. In order to avoid the non-permitted heating of cables, particularly while coiled, the maximum loads specified must not be exceeded.

The use of cable reel 502Ex in explosion group IIC is only permitted if the cable is first connected or the cable reel is standing on a conductive base or conductive and earthed base. Otherwise, the cable reel can be used in all zones only in explosion group IIA and IIB. No modifications or alterations must be made to the cable reels. The cable reels must only be operated in undamaged condition.

Note national safety and accident prevention regulations.

Spare parts

No individual or spare parts are supplied for safety reasons. Professional repairs with recorded final checks must only be carried out at the manufacturer's.

Item no.	Description
251152	502-Ex STAHL, input 30m GIFAS-PROFLEXX-07 cable 5x2.5mm² CEE connector 5x16A/400V, output 1 CEE plug socket 5x16A/400V, no fuse
251137	502-Ex STAHL, input 30m GIFAS-PROFLEXX-07 cable 3x2.5mm² CEE connector 3x16A/230V Output 1 CEE plug socket 3x16A/230V
247373	502-Ex CEAG, input 30m GIFAS-PROFLEXX-07 cable 5x2.5mm² CEE connector 5x16A/400V, output 1 CEE plug socket 5x16A/400V, no fuse
247389	502-Ex CEAG, input 50m GIFAS-PROFLEXX-07 cable 3x2.5mm² CEE connector 3x16A/230V Output 1 CEE plug socket 3x16A/230V
248070 Mobile	502-Ex CEAG, input 50m GIFAS-PROFLEXX-07 cable 3x2.5mm², CEE connector 3x16A/230V, output 1 CEE plug socket 3x16A/230V, no fuse
280088	502-Ex ATX, input 30 m GIFAS-PROFLEXX-07 cable 3 x 2.5 mm², CEE plug 16 A/230 V, ATX 097433, output 1 CEE plug socket 3 x 16 A/230 V, no fuse, Fabr. ATX 097413
280089	502-Ex ATX input 50 m GIFAS-PROFLEXX-07 cable 3 x 2.5 mm², CEE plug 16 A/230 V, ATX 097433 Output 1 CEE plug socket 3 x 16 A/230 V, no fuse, Fabr. ATX 097413

Versions with other cable lengths or plug connections from STAHL are possible.

Series 518

Plug connectors
from STAHL

Plug connectors
from CEAG

Product features

- EX solid rubber cable drum as per DIN 14680-A1
- Made from zinc-plated sheet steel with powder coating in RAL 5002 (blue) with solid rubber carrying handle
- Velcro strip for lateral fastening of the plug
- Rotating auxiliary drum
- Without slip rings and thermal overload protection
- Brass feet for low earth contact resistance and spark protection
- For explosion-risk areas Zone 1, Zone 2
- High mechanical stability
- Impact-resistant and ageing-resistant
- External, maintenance-free parking brake
- Resistant to chemical influences
- Resistant to oils and acids
- UV and weather resistant

Technical data 518-Ex STAHL

Labelling	⟨Ex⟩ II 2 G, EEx de IIA T6
Explosion protection	EEx de IIA T6
Test report	PTB Ex 06-16168
EC type approval certificate	PTB03 ATEX 1186
Protection category	IP65
Sim. factor	1
Weight of 518 Ex 230V/16A	approx. 24kg
518 Ex 400V/16A	approx. 30kg
Measurements	512x380x310mm

Technical data 518-Ex CEAG

Labelling	⟨Ex⟩ II 2 G, EEx de IIA T6
Explosion protection	EEx de IIA T6
Test report	PTB Ex 06-16168
EC type approval certificate	PTB03 ATEX 1186
Protection category	IP65
Sim. factor	1
Weight of 518 Ex 230V/16A	approx. 24kg
518 Ex 400V/16A	approx. 30kg
Measurements	554x380x310mm

Safety instructions

Always read the label on the cable reel before use!

Cable reel 518 Ex is not suitable for zones 0, 20, 21 and 22. The temperature class and ignition protection classes specified on the equipment must be complied with. In order to avoid the non-permitted heating of cables, particularly while coiled, the maximum loads specified must not be exceeded.
No modifications or alterations must be made to the cable reels. The cable reels must only be operated in undamaged condition.
Also note national safety and accident prevention regulations.

Standards Conformity

- Underlying safety and health requirements satisfied by EN 5000141997 + A1 + A2, EN 5000182000, EN 500192000.
- Correspond to the Directive of the European Council 94/9 EC
- Produced and tested in accordance with the manufacturer standards DIN EN 603092000, DIN EN 612421997 and DIN EN 613162000

Spare parts

No individual or spare parts are supplied for safety reasons. Professional repairs with recorded final checks must only be carried out at the manufacturer's.

Item no.	Description
261750	518-Ex STAHL input 5m GIFAS-PROFLEXX-07 cableH07RN-F 3x2.5mm² with Ex connector 3x16A/230V Output 45m GIFAS-PROFLEXX-07 cable H07RN-F 3x2.5mm² with Ex coupling 3x16A/230V
261751	518-Ex STAHL input 5m GIFAS-PROFLEXX-07 cable H07RN-F 5x2.5mm² with Ex connector 5x16A/400V Output 45m GIFAS-PROFLEXX-07 cable H07RN-F 5x2.5mm² with Ex coupling 5x16A/400V
247636	518-Ex CEAG input 5m GIFAS-PROFLEXX-07 cable H07RN-F 3x2.5mm² with Ex connector 3x16A/230V Output 45m GIFAS-PROFLEXX-07 cable H07RN-F 3x2.5mm² with Ex coupling 3x16A/230V
247886	518-Ex CEAG input 5m GIFAS-PROFLEXX-07 cable H07RN-F 5x2.5mm² with Ex connector 5x16A/400V Output 45m GIFAS-PROFLEXX-07 cable H07RN-F 5x2.5mm² with Ex coupling 5x16A/400V

Certified quality guaranteed
GIFAS Ex products are used wherever there is a risk of explosion.

FlutLED-Ex 60W

FlutLED-Ex 60W is suitable for all areas that require efficient and extremely robust Ex-safe lighting with outstanding illumination.
Areas of application include refineries, on drilling platforms, in the energy and chemical industry, in fire-fighting, in disaster protection, in tunnels and in ports.

Product features

- Thanks to their compact shape, the FlutLED-Ex 60W are especially suitable for use in small and confined spaces
- Reduced dazzle thanks to anti-glare surface, making them especially suitable for applications involving direct visual contact with the light source
- Casing made from highly stable aluminium alloy for applications in corrosive environments
- Shock and vibration-resistant, hardened glass reduces the risk of premature failure
- Explosion-protected, fire-resistant, water and salt water resistant, dust-proof

Technical data
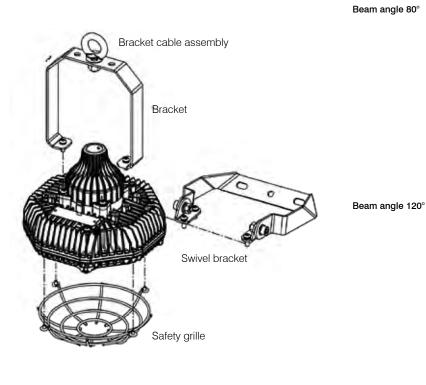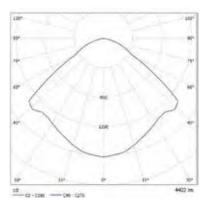
Labelling	Ex II 2 G - Ex d IIC T5 Gb
	Ex II 2 D - Ex t IIIC T95°C Db
Ex zones	1, 2, 21 and 22
Input voltage	24~48VAC/DC or
	100~277VAC (50/60Hz)
Light source	OSRAM LED
System performance	60W
Light current	6600lm
System efficiency	110lm/W
Light colour	average 6000K
CRI-index	Ra >80
Beam angle	80° or 120°
Operating life	>50,000h
Protection category	IP66
Protection class	I
Operating range of temperature	-40° to +55°C
Housing	Pressure die-cast aluminium
Cover	Glass
Weight	approx. 3.5kg
Measurements (HxD)	206x220mm

Item no.	Description
800019	FlutLED-Ex/W60V230/80°
800020	FlutLED-Ex/W60V230/120°
800021	FlutLED-Ex/W60V24~48VAC/DC/80°
800022	FlutLED-Ex/W60V24~48VAC/DC/120°
800034	FlutLEDEx/W60.bracket
800035	FlutLEDEx/W60.bracket cable assembly
800036	FlutLEDEx/W60.swivel bracket
800037	FlutLEDEx/W60.safety grille

Bracket cable assembly

Bracket

Swivel bracket

Safety grille

Beam angle 80°

Beam angle 120°

FlutLED-Ex 120W / 150W

Technical data

Labelling	Ⓔⓧ II 2 G - Ex d e IIB T5 Gb
	Ⓔⓧ II 2 D - Ex t IIIC T95°C Db
Ex zones	1, 2, 21 and 22
Input voltage	180~277VAC (50/60Hz)
Light source	SEOUL SMD-LEDs
System performance	120W/150W
System efficiency	120lm/W
Light colour	average 6000K
Operating life	>50,000h
Protection category	IP66
Operating range of temperature	-40°C to +55°C
Weight	13.5kg
Measurements (WxDxØ)	426x187x410 mm

FlutLED-Ex 120W and 150W are suitable for all areas that require efficient and extremely robust Ex-safe lighting. With their excellent illumination, these Ex lights are used in refineries, the energy and chemical industry, on drilling platforms, in fire-fighting, in disaster protection and also as stadium lighting.
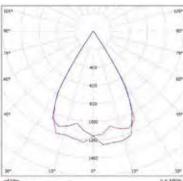
Product features

- Excellent efficiency and high light yield thanks to 90 LEDs
- Reduced dazzle with direct visual contact thanks to anti-glare coating on the glass cover
- Shock and vibration-resistant thanks to hardened glass
- Robust aluminium casing with anti-corrosion paint
- Optional and optimised light distribution for various applications
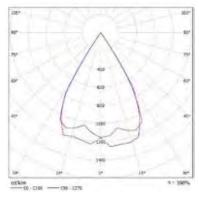
Item no.	Description
288409	FlutLED-Ex 120W 60°
288410	FlutLED-Ex 120W 120°
281816	FlutLED-Ex 150W 60°
281817	FlutLED-Ex 150W 120°
Accessories	
281898	Holding bracket
281899	Swivel bracket*
282044	Pole mount bracket
281900	Hanging ring
281901	Spacer
281902	Safety grille

* Essential accessory 281899 swivel bracket
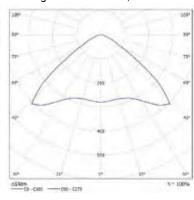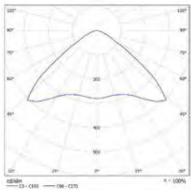
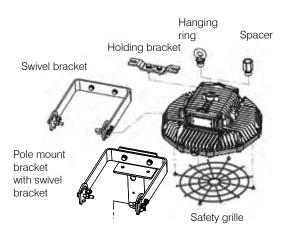**Beam angle of FlutLED 120W, 60°**

Beam angle of FlutLED 120W, 120°

Beam angle of FlutLED 150W, 60°

Beam angle of FlutLED 150W, 120°

Hanging ring

Spacer

Holding bracket

Swivel bracket

Pole mount bracket with swivel bracket

Safety grille

Supplied state:
The light comes without accessories as standard!

⟨Ex⟩ Floodlights

FlutLED-Ex battery 10W

Portable Ex floodlight for flexible applications Easy to attach, bright light, robust design

Product features

- Flexible mounting onto metal surfaces thanks to integrated magnetic field in the lamp base
- Transportable, handy design
- Bright light
- Shock and vibration-resistant thanks to hardened glass
- Robust aluminium casing with anti-corrosion paint
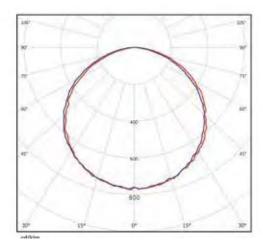- Satisfies requirements for emergency lighting (discharge time > 10h)

Technical data

Labelling	⟨Ex⟩ II 2 G Ex d IIC T6 Gb
	⟨Ex⟩ II 2 G Ex tb IIIC T80°C Db
Ex zones	1, 2, 21 and 22
Input voltage	100-277VAC (50/60Hz)
Power supply	Li-ion battery
Charging time	4.5 hours
Light duration	max. 10h
Light source	SEOUL SMD-LEDs
System performance	10W
System efficiency	1265lm
Light colour	average 6000K
Operating life	>50,000h
Protection category	IP66
Operating range of temperature	-20°C to +40°C
Weight	5.3kg
Measurements	210x182x282mm
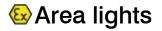
Item no.	Description
288400	FlutLED-Ex battery 10W

Beam angle

Ex strip luminaire 36W / 56W

The Ex strip luminaire is suitable for all areas that require efficient and extremely robust Ex-safe lighting. The robust aluminium casing can withstand forces of up to 10 Joule. The high IP66 protection category makes this light suitable for even the most challenging of locations, and ensures it is able to withstand even corrosive applications and salt water.
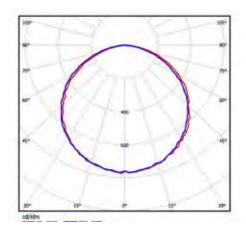
Item no.	Description
800023	Ex strip luminaire 36W 120°, incl. mounting bracket
800024	Ex strip luminaire 56W 120°, incl. mounting bracket

Technical data

Labelling		Ⓔx II 2 G Ex d eb IIB T6 Gb
		Ⓔx II 2 D Ex tb IIIC T80°C Db
Ex zones		1, 2, 21 and 22
Input voltage		100~277VAC (50/60Hz)
Light source		SEOUL SMD-LEDs
System performance		36/56W
Light current	36W	4554lm
	56W	7084lm
Light colour		average 6000K
Operating life		>50,000h
Protection category		IP66
CRI-Index		Ra >80
Operating range of temperature		-40°C to +55°C
Weight	36W	6.4kg
	56W	8.7kg
Measurements (WxHxL)		
	36W	187x80x600mm
	56W	187x80x1130mm

Beam angle

LED
High-quality LEDs are used in the GIFAS Ex luminaire range that are ideal for use in terms of light quality, service life, light colour and efficiency.

⟨Ex⟩ Tubular lights

Ex machine light LED

Ex-protected machine light with LED technology, especially for local lighting of spaces and machinery or their sub-areas in explosion-risk areas of zones 1 and 2 as well as 21 and 22.

Product features

- High-efficiency LED technology
- Extremely long service life
- No bulb change required at any point in the light's lifetime
- Various operating voltages
- Robust protective tube made from polycarbonate

Technical data

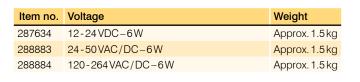|	
Labelling	⟨Ex⟩ II 2 G Ex d IIC T5 Gb
	⟨Ex⟩ II 2 D Ex tb IIIC T95°C Db
EC type approval certificate	BVS 07 ATEX E 164 X
International approval	IECEx BVS 08.0014 X
Protection category	IP68 (2.5 m over 24 hours)
Operating range of temperature	-20°C to +60°C
Standard connection	Cable 5 m 3 x 1 mm², without plug

Item no.	Voltage	A (mm)	B (mm)	C (mm)	Weight
287678	12-24 VDC-6W,	581	43	66	Approx. 1.5 kg
288882	24-50 VAC/DC -6W	581	43	66	Approx. 1.5 kg
286926	120-264 VAC/DC -6W	581	43	66	Approx. 1.5 kg
287692	85-265 VAC-25W	1601	60	82	Approx. 4.0 kg
287693	85-265 VAC-36W	1901	61	82	Approx. 4.1 kg

Accessories for wall mounting available on request!

Ex hand-held lights LED

Ex-protected hand-held lights with LED technology, especially for inspection and maintenance work in explosion-risk areas of zones 1 and 2 as well as 21 and 22.

Product features

- High-efficiency white LED technology
- Extremely long service life
- No bulb change required at any point in the light's lifetime
- Various operating voltages
- Robust protective tube made from polycarbonate

Technical data

Labelled according to 94/9/EC	⟨Ex⟩ II 2 G Ex d IIC T5 Gb
	⟨Ex⟩ II 2 D Ex t IIIC T95°C Db
EC type approval certificate	BVS 07 ATEX E 164 X
International approval	IECEx BVS 08.0014 X
Protection category	IP68 (2.5 m over 24 hours)
Operating range of temperature	-20°C to +60°C
Standard connection	Cable 5 m 3 x 1 mm², without plug

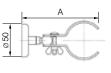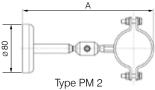| Item no.	Voltage	Weight
287634	12-24 VDC-6W	Approx. 1.5 kg
288883	24-50 VAC/DC-6W	Approx. 1.5 kg
288884	120-264 VAC/DC-6W	Approx. 1.5 kg

Accessories

Magnetic clamp
Permanent magnet (different magnetic force), hose clip with stainless steel 1.4301 ball (type PM1) or corresponding extension (type PM2).

Item no.	Description	Weight
288885	PM 1 10kN Ø approx. 45 mm, A = 130 mm	Approx. 0.18 kg
288886	PM 2 50kN Ø approx. 60 mm, A = 215 mm	Approx. 0.68 kg
288887	PM 2 50kN Ø approx. 70 mm, A = 225 mm	Approx. 0.68 kg

Other options available on request.

Type PM 1

Type PM 2

FlashLED-Ex Rechargeable battery light

The tried-and-tested FlashLED concept is now also available for areas at risk of explosion! As a result, GIFAS is offering a powerful work and inspection light with emergency light function for explosive areas. The FlashLED-Ex is equipped with an environmentally friendly, rechargeable lithium polymer (LiPo) battery. The light is charged outside the explosion-risk area. The FlashLED-Ex is certified and satisfies the requirements of the European Low-Voltage Directive 2006/95/EC, Directive 2004/108/EC on Electromagnetic Compatibility and ATEX Directive 94/9/EC.

Product features

- Sturdy, shatter-proof polyamide housing
- Up to 8 hours of light in three selectable operating modes
    - Broad beam concentrated, narrow and wide light beam
    - Work light (emergency light) broad light cone
    - Side light space-illuminating economy light
- Extremely bright light
- incl. charger with corrosion-resistant contacts
- Charging station can be used as a wall-mounted model
- Overcurrent, temperature and deep discharge protection
- Vertical-swivel lamp head, dimmable, flash mode
- Memory function = last setting is saved
- The light can be locked in the charging station
  (shackle lock not included in the scope of delivery)

Technical data

Labelling	⟨Ex⟩ II 2G Ex ib IIC T4 Gb
	⟨Ex⟩ II 2D Ex ib IIIC T135°C Db
Certification	2004/108/EC Directive on Electromagnetic Compatibility ATEX Directive 2014/34/EU
ATEX Certification No.	DEKRA 12ATEX0193X
EX zones	1, 2, 21 and 22
Input voltage	230VAC, 12/24VDC
Power supply	Lithium polymer rechargeable battery
Charging time	6.5 hours
Light duration	max. 8h, depending on type of operation
Light source	5x1,6W Power LEDs, white
Protection category	IP65
Operating range of temperature	-20°C<Ta<+50°C
Temperature class	T4
Gas group	IIC
Dust group	IIIC
Weight	
- Light	1.4kg
- Charging station	700g
Measurements (WxHxD)	
- Light excl. charging station	125x260x92.5mm
- Light incl. charging station	149x332x106mm
- Charging station	149x276x95mm

Item no.	Description
800011	FlashLED-EX rechargeable hand-held light
860032	Charger / wall bracket 230V
860027	Charger / wall bracket 12/24V
266884	Charging cable 12/24V
266850	Carrying strap

Wall fitting

TorchLED-Ex torch light

The popular TorchLED work and inspection luminaire with emergency lighting function is now also available in an Ex-version. The luminaire is equipped with a rechargeable lithium polymer (LiPo) battery has to be charged outside the ex-zone. The TorchLED Ex fulfils the requirements of the Low Voltage Directive 2006 / 95 / EC, the Directive 2004 / 108 / EC concerning electromagnetic compatibility and the ATEX Directive 94 / 9 / EC.

Product features

- at least 3 hours of light in three selectable operating modes:
  - 1. Spot: Focussed, narrow and broad light beam
  - 2. Wide: Room illuminating light
  - 3. High beam: Widely radiating beam of light
- memory function (last setting is retained)
- corrosion-resistant charging pins (gold-plated spring steel)
- overcurrent, temperature and deep discharge protection
- compact design

Item no. 860444

Item no. 860443

Technical Data

TorchLED Ex

Housing colour	black
Operating voltage	6 VDC
Electric power supply	LiPo 7.4 V - 720 mAh
Charging time	6.5 h

Light duration factory settings (max. light power)

– Spot (1 LED)	6 h
– Wide (1 LED)	6 h
– Full light (2 LED)	3 h
– Emergency light	5 h
Illuminant	2 Power-LED à 1.6 W, cool white 5'700 K
Protection category light	IP54

Dimensions (W×L×H)

– Light excl. charging station	116×68×34 mm
– Light incl. charging station	148×87×44 mm
Weight light	165 g

ATEX certification number	KIWA 16ATEX0035X
Explosion-proof according to	EN 60079-02009 (general requirements) EN 60079-112012 (intrinsic safety)
Zones	1, 2, 21 and 22
Permitted ambient temperature	−20°C < Ta < +45°C
Markinig	II 2 G Ex ib IIC T4 Gb II 2 D Ex ib IIIC T140°C Db

Charging station

Protection category	IP44
Protection class 230 VAC	II
Protection class 12 - 48 VDC	III
Dimensions (L×W×H)	87×82×34 mm
Weight 12 - 48 V / 230 V	70 g / 80 g
Permitted ambient temperature	0°C to +40°C

Item no.	Description
860454	TorchLED Ex torch light 6VDC, excl. charging station
Accessories	
860443	TorchLED charging station 230 VAC, incl. 1,5 m cable and euro-plu
860444	TorchLED charging station 12-48 VDC, with 1,5 m cabl

PARALUX PX0

PARALUX PX1

Product features

- ATEX certified for ZONE 0 and dust Ex ZONE 21
- 100% watertight
- Made from high-resistance conductive plastic, offers additional protection as per ESD/EMI/RFI
- Compatible with virtually all helmet brackets and PARASNAP
- Rubberised lamp head
- Push switch at the end of the lamp for single-handed operation

Technical data

Labelling	⟨Ex⟩ II 1G Ex ia IIC T4 Ga
	⟨Ex⟩ II 2D Ex ib IIIC T105°C Db IP68
Ex zones	0, 21
Light source	3W CREE LED, white
Batteries	4xAA alkaline
Light current	120lm
Light range	150m
Light duration	15h full power
	50h total
Protection category	IP68
Housing	XAG (plastic), red
Measurements (HxL)	38x167mm
Weight incl. batteries	170g

Product features

- ATEX certified for ZONE 1 and dust Ex ZONE 21
- 100% watertight
- Made from non-conductive plastic
- Compatible with virtually all helmet brackets and PARASNAP
- Rubberised lamp head
- Push switch at the end of the lamp for single-handed operation

Technical data

Labelling	⟨Ex⟩ II 2G Ex ib IIB T4 Gb
	⟨Ex⟩ II 2D Ex ib IIIC T105°C Db IP68
Ex zones	1, 21
Light source	3W CREE LED, white
Batteries	4xAA alkaline
Light current	120lm
Light range	150m
Light duration	15h full power
	50h total
Protection category	IP68
Housing	PC (polycarbonate), yellow
Measurements (HxL)	38x167mm
Weight incl. batteries	170g

Item no.	Description
283286	PARALUX PX0 incl. batteries

Item no.	Description
283285	PARALUX PX1 incl. batteries

PARALUX PX2

Product features

- ATEX certified for ZONE 1
- 100% water-tight
- Made from non-conductive plastic
- Fastening clip
- Compatible with PARASNAP
- Rubberised lamp head
- Push switch at the end of the lamp for single-handed operation

Technical data

Labelling	⟨Ex⟩ II 2G Ex ib IIB T4 Gb
Ex zone	1
Light source	1W CREE LED, white
Batteries	2xAAA alkaline
Light flux	30lm
Light range	35m
Light duration	10h
Protection category	IP68
Housing	PC (polycarbonate), yellow
Measurements (HxL)	19x143mm
Weight incl. batteries	40g

Item no.	Description
283284	PARALUX PX2 incl. batteries

PARALUX HL-P1
Head light

Product features

- ATEX certified for ZONE 1
- 100% water-tight
- Made from non-conductive plastic
- Adjustable rubber / Neoprene strap
- Rubberised lamp head with incrementally adjustable beam angle
- Push switch for single-handed operation

Technical data

Labelling	⟨Ex⟩ II 2G Ex ib IIB T4 Gb
Ex zones	1
Light source	3W CREE LED, white
Batteries	4xAAA alkaline
Light flux	120lm
Light range	150m
Light duration	12h full power
	45h total
Protection category	IP68
Housing	PC (polycarbonate), yellow
Measurements (HxL)	65x70mm
Weight incl. batteries	170g

Item no.	Description
283287	PARALUX HL-P1 incl. batteries

PARASNAP SNAP-IN1
Lamp holder

Product features

- Fastening clip for PX0 and PX1
- Magnetic counterpiece to PARASNAP PRO BASE left/right
- The holder is simply folded onto the side of the lamp body

Technical data

Material	Fibreglass-reinforced polyamide
Measurements	50x40mm
Weight	11g

Item no.	Description
283290	PARASNAP SNAP-IN1

PARASNAP SNAP-IN2
Lamp holder

Product features

- Fastening clip for PX2
- Magnetic counterpiece to PARASNAP PRO BASE left/right
- The holder is simply pushed from behind over the lamp body

Technical data

Material	Fibreglass-reinforced polyamide
Measurements	35x30mm
Weight	10g

Item no.	Description
283291	PARASNAP SNAP-IN2

PARASNAP PRO BASE LEFT
Helmet mounting

Product features

- Helmet mounting, base part for left-handed wearing
- Left-hand base holder for PX1 and PX2
- SNAP-IN1 (PX0, PX1) or SNAP-IN2 (PX2) is also required
- Can be mounted on virtually all common DIN helmet types
- Certification based on DIN EN 433:2008 for helmets:
  Dräger HPS 4300, Schuberth F120 pro/ F130, Colsman AL-EX
  (Rosenbauer HEROS smart&titan, Dräger HSP 4500 on rdemand)

Technical data

Material	Polyamid, PA 66
Measurements	65x55x45mm
Weight	50g

Item no.	Description
283288	PARASNAP PRO BASE left

PARASNAP PRO BASE RIGHT
Helmet mounting

Product features

- Helmet mounting, base part for right-handed wearing
- Left-hand base holder for PX1 and PX2
- SNAP-IN1 (PX0, PX1) or SNAP-IN2 (PX2) is also required
- Can be mounted on virtually all common DIN helmet types
- Certification based on DIN EN 433:2008 for helmets:
  Dräger HPS 4300, Schuberth F120 pro/ F130, Colsman AL-EX
  (Rosenbauer HEROS smart&titan, Dräger HSP 4500 on rdemand)

Technical data

Material	Polyamid, PA 66
Measurements	65x55x45mm
Weight	50g

Item no.	Description
283289	PARASNAP PRO BASE right

PARASNAP BASE
Strap holder

Product features

- Strap holder made from cow leather
- SNAP-IN1 (PX0, PX1) or SNAP-IN2 (PX2) is also required
- Strap opening width up to 55 mm

Technical data

Material	Cow leather and fibreglass-reinforced polyamide
Measurements	90x70mm
Weight	35g

Item no.	Description
283292	PARASNAP Base strap holder

PARASNAP Strap
Safety helmet

Product features

- Mounting strap for safety helmet mounting
- SNAP-IN1 (PX0, PX1) or SNAP-IN2 (PX2) is also required
- compatible mit PX0, PX1, PX2

Technical data

Material	Polyamid, EPDM
Measurements Base	35x60mm
Weight Base	60g

Item no.	Description
290110	PARASNAP Strap

MITYLITE 1965Z0 LED

When you need the latest and brightest LED technology in a compact form factor, choose the new MITYLITE1965Z0 LED. Small enough to fit in your shirt pocket, yet bright enough to illuminate your work area. Long lasting, energy efficient, bright LEDs, along with a compact package make the MITYLITE1965Z0 LED the safety approved light for the job.

Product features

- Rotary switch on lamp head
- ATEX approved
- Spring clip allows the light to be easily attached

Technical data

Labelling	⬡ II 1 GD Ex ia IIC T4 Ga
	⬡ iaD 20 IP65 T90°C Da
	TRAC10ATEX11241X
IECEx labelling	IECEx TRC10.0005X
	II 1 GD Ex ia IIC T4 Ga Ex iaD
	20 IP65 T90
Ex zone	0, 20
Housing	ABS (neon yellow)
Light source	LED
Light duration	Approx. 4h
Light range	Approx. 50m
Batteries	2xAAA alkaline
Length	139mm
Weight incl. batteries	90g

Item no.	Description
283367	Battery light MITYLITE 1965Z0 LED incl. batteries

3315Z0 LED

The 3315Z0 LED light the lightweight compact design houses 3AA batteries that power a single LED for 110 lumens of super bright LED light. Safety approved for the most volatile work environments ATEX Cat. 1 (Zone 0), the 3315Z0 LED light is one of the most efficient torches on the market today.

Product features

- Pressure switch at the lamp head
- Compact light with huge LED performance.
- ATEX approved
- Housing made from Anti Static ABS
- Light is resistant to corrosion and extreme temperatures
- Submersible

Technical data

Labelling	⬡ II 1 G Ex ia IIC T4 Ga
	⬡ II 1 D Ex ia IIIC T130°C Da
	TRAC13ATEX0009X
Ex zone	0, 20
Light source	LED
Light duration	Approx. 19h
Light range	Approx. 160m
Batteries	3xAA alkaline
Length	156mm
Weight incl. batteries	130g

Item no.	Description
283369	Battery light 3315Z0 LED incl. batteries

HEADS UP LITE 2755Z0 LED
Battery head and helmet light

Bright, compact headlight for harsh conditions - the high output 2755Z0 LED Headlight provides up to 72 lumens of illumination, flashing, and low light modes. Designed with weather resistant casings which also allows for fast and easy battery change.

Product features

- Secure fastening and excellent wearing comfort thanks to adjustable textile head band
- Housing made from shock-resistant and chemical-resistant ABS
- Non-permeable to water
- ATEX approved
- Angled profile head button is failsafe and easy to operate, even with large gloves on

Technical data

Labelling	⬡ II 1 G Ex ia IIC T4 Ga
	TRAC13ATEX0035X
Ex zone	0
Light source	LED
Lighting current	74lm
Light duration	Approx. 6h (bright)
	Approx. 15h (low)
Light range	Approx. 60m
Batteries	3xAAA alkaline
Length	57mm
Weight incl. batteries	100g

Item no.	Description
283368	head/helmet light HEADS UP LITE 2755Z0 LED incl. batteries

HEADS UP LITE 2690Z0/20 LED
Battery head and helmet light

This battery head and helmet light is brighter, more efficient, compact and lighter than other headlamps in its class. The rotary bezel switch is easy to operate, even when wearing bulky gloves. The 2690Z0/20 is made of impact and chemical resistant ABS and it's water resistant for all-weather use. It comes with an adjustable and comfortable cloth strap, as well as a heavy duty rubber strap that will not slip off your helmet.

Product features

- Secure fastening and excellent wearing comfort thanks to adjustable textile head band
- Housing made from shock-resistant and chemical-resistant ABS
- Non-permeable to water
- ATEX-certified
- Angled profile head button is failsafe and easy to operate, even with large gloves on

Technical data

Labelling	⬡ II 1 D/G Ex ia IIC T4
	⬡ Ex iaD 20 IP65 T65°C
EC type approval certificate	TRL 08 ATEX 11184X
Ex zone	0, 20
Light source	LED
Lighting current	74lm
Light duration	10 hours
Batteries	3xAAA alkaline
Length	71mm
Weight incl. batteries	120g

Item no.	Description
268524	head/helmet light HEADS UP LITE 2690Z0/20 incl. batteries

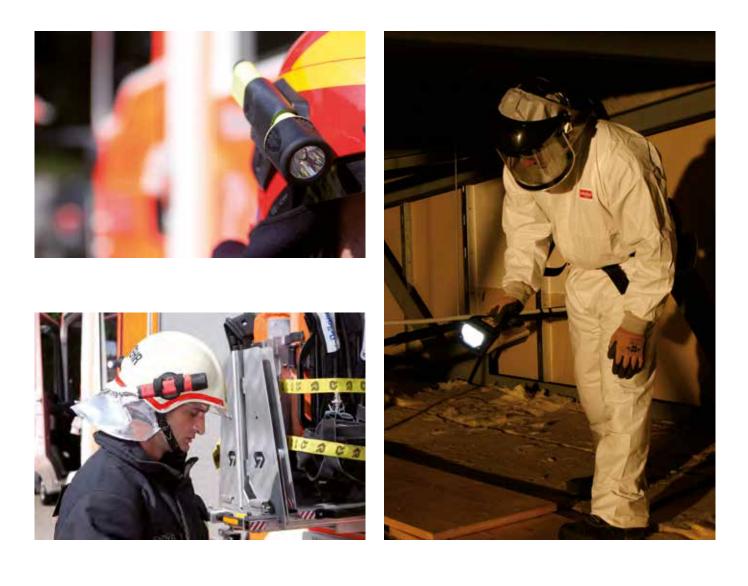## Ex-Cable reels / Ex-Floodlights

Ex-Hand-held lights / Ex-Battery lights

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Welding cables

Schweißflex

GIFAS Schweißflex extension with plug and connector

Product features

- Comprising a combined insulation and sheathing system
- GIFAS Schweißflex elastomer prevents corrosion of the copper wires
- High dielectric strength
- Elastic and flexible
- Wear-resistant
- Resistant to petrol, oil and most common solvents
- Continuous conductor temperature of up to 80° C

Schweißflex

Item no.	Cross-section in mm²	Cu wire Number of wires in mm	Approx. outer diameter in mm	Approx. weight in kg/km	Current carrying capacity / duty cycle in A			
					100%	85%	60%	30%
103075	16	504 x 0.21	10.5	247	135	145	175	245
103076	25	770 x 0.21	12.5	340	180	165	230	330
103077	35	1083 x 0.21	13.5	460	225	245	290	410
103078	50	1558 x 0.21	15.0	606	285	310	370	520
103079	70	2204 x 0.21	18.0	860	355	385	460	650

Schweißflex extension with plug and coupler plug

Item no.	Length in m	Cross-section in mm²
231984	3	25
203815	5	25
210034	3	50
127852	5	50
231985	3	70
119764	5	70
231986	3	95

Other designs and lengths available upon request.

Welding accessories

Electrode holder with clamp jaws

Earth terminal

Pole magnet

Pole clamp

Electrode holder with clamp jaws
Product features

- Fully insulated, heat-resistant cover
- Body in bronze with copper content
- Exchangeable clamp jaws
- Rapid connection
- 7 retaining positions for electrodes
- The insulated holders are lightweight and non-breakable
- Manufactured in accordance with standard CEI 26-8

Item no.	Electrode diameter	Amperes
103852	2.5 - 5.5	400
103738	2.5 - 6.0	600

Pole magnet
Product features

- Three different magnet strengths are available for different welding currents
- The magnetic plates permit double-sided adhesion

Item no.	Amperes	Cable cross-section in mm²	Adhesive force
266112	400	50 – 70	40
266109	600	70 – 95	75

Earth terminal
Product features

- Made from electrolytically galvanised sheet steel with insulating spring
- Brass contacts are connected via a highly flexible copper wire

Item no.	Input	Output
103746	600	Earth terminal without cable lug
103747	600	Cable lug for art. no. 103746

Pole clamp
Product features

- These pole clamps made from solid cast brass with screw stoppers ensure an ideal earth connection

Item no.	Amperes	Cable cross-section in mm²
266114	200	16 - 25
265902	400	35 - 70
266115	600	70 - 95

Welding cable plugs and connectors

GIFAS
ELECTRIC

Plugs and connectors

Plug

Connector

Product features

- Safe, fast, practical and reliable connection
- Oil and acid-resistant, ageing-resistant, shock-resistant
- Heat-resistant, self-extinguishing, high insulating strength,
- Terminal area designed for two cable dimensions
- Compatible with commercially available brands
- Plug with sturdy rotary cone made from solid brass
- Screw terminal connection with tin-plated soft copper clamp sleeve
- Bayonet lock with clockwise rotation
- Plug connectors for cable cross-section 95 - 120 mm² are also
  equipped with insulating protective collars

Plug

Item no.	Current strength in A	For cable cross-section in mm²	Pin cross-section in mm²	Design
103587	200	10 - 25	9	Plug
103612	400	35 - 50	12	Plug
103660	500	50 - 70	12	Plug
103689	600	70 - 95	12	Plug with dual terminal connection
103586	600	95 - 120	15	Plug with dual terminal connection

Connectors

Item no.	Current strength in A	For cable cross-section in mm²	Pin cross-section in mm²	Design
103712	200	10 - 25	9	Connector
103714	400	35 - 50	12	Connector
103719	500	50 - 70	12	Connector
103721	600	70 - 95	12	Connector with dual terminal connection
103711	600	95 - 120	15	Connector with dual terminal connection

Other designs available upon request.

Built-in plugs and built-in sockets

Product features

- Built-in plugs are ideal for supplying fixed installation parts
- Installation plugs and sockets are insulated
- Can be installed in metal or insulating material front panels
- Depending on their area of use, built-in plugs and sockets are available with or without covers
- The cover protects the high-quality conical contacts from dust and unwanted contact
- Manufactured in accordance with standards CEI 26.10 and CEI 26.11

Built-in plugs

Item no.	Current strength in A	For cable cross-section in mm²	Connecting bolts
103864	200	10 - 25	M 8
103865	400	35 - 50	M10
103866	500	50 - 70	M 12
103862	600	95 - 120	M 16

built-in sockets

Item no.	Current strength in A	For cable cross-section in mm²	Connecting bolts
103726	200	10 - 25	M 8
103728	400	35 - 50	M10
103730	500	50 - 70	M 12
103724	600	95 - 120	M 16

Built-in plugs with cover

Item no.	Current strength in A	For cable cross-section in mm²	Connecting bolts
103869	500	50 - 70	M 10
103871	600	70 - 95	M 12
103870	500	50 - 70	M 10
103872	600	70 - 95	M 12

Built-in sockets with cover

Item no.	Current strength in A	For cable cross-section in mm²	Connecting bolts
103848	500	50 - 70	M 10
103850	600	70 - 95	M 12
103849*	500	50 - 70	M 10
103851*	600	70 - 95	M 12

* Lockable with bolt.

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PERFECT VISIBILITY ANYWHERE, ANYTIME.

More than 80 percent of all information is captured through the eye. Therefore good lighting is the key of success for safe and successful work at a fixed location or on the move. Technical luminaires from GIFAS provide optimum conditions - in any installation and work situation, at any time.

Portable work light

FlashLED
Battery-powered light with emergency light function

Vertically swivelling luminaire head

FlashLED with charging station

State-of-the-art charging and monitoring electronics coupled with the latest LED technology form the basis of this development. The very latest Li-ion technology ensures a high energy density and a superlative service life (up to 1,000 cycles), while the GIFAS battery management system monitors and safeguards all of the key battery operating parameters.

The swivel-mounted lighting head ensures customised illumination adapted to your working environment. The operating panel is easy to use and clearly laid out. If the supply voltage to the charging station fails, the light switches to "Emergency light" mode. Setting the magnetic switch to the "Emergency Light ON" position activates the emergency light function.

Product features

- Up to 9 hours of light in four selectable operating modes:
  - Spot: Concentrated and wide light beam
  - Wide: Space-illuminating light
  - Full light: Combination of spot and wide
  - Emergency light: Broad light cone
- Memory function (last setting is saved)
- Flash mode
- Infinitely dimmable
- Sturdy housing made from polyamide
- Corrosion-resistant charging contacts (gold-plated spring steel)
- Vertical swivel light head
- Charging station can be used as a wall-mounted model

Technical data for light

Input voltage	7.2VDC
Power supply	Li-ion battery, 4400mAh
Charging time	5h
Light duration	9h Spot (3 LED)
	7h Wide (2 LED)
	4h Full light (5 LED)
	3h Emergency light (5 LED)
Light source	5x3W PowerLED
Luminous flux	200lm Spot + Wide
	1000lm Full light
Light colour	7000K
Protection type	IP65
Protection class	lll
Temperature range Operation	-20°C to +45°C
Charging	-0°C to +45°C
Housing	Polyamide
Weight	1120g
Dimensions (WxHxD) Light	125x260x92.5mm
Light incl. charging station	149x332x106mm

Technical data for charging station

Input voltage	230VAC, 12/24VDC
Protection category	IP20
Protection class	ll
Housing	Polyamide
Weight	430g
Dimensions (WxHxD)	149x276x95mm

Item no.	Description
860025	FlashLED work and inspection light with emergency light function
860032	FlashLED 230VAC charging station, incl. 1,5m cable and contour plug
860027	FlashLED 12/24 VDC charging station, with built-in plug (without cable)
266884	Charging cable with cigarette lighter plug, 2m
266850	FlashLED carrying strap

FlashLED-Ex
Also available as explosion-proof version!
Further information please find on our page 225 / Ex-products.

TorchLED
LED torch

TorchLED
LED torch with emergency light function

The TorchLED is an extremely practical, lightweight LED torch which, by virtue of its various light functions, can be used as a torch or as a signalling light. The red or green light function, for example, can be used to mark out hazardous areas or declare them safe again, accordingly. The TorchLED's non-slip, sturdy character makes it extremely reliable in this field of operation. The TorchLED has excellent impact and shock resistance, making it extremely robust and suitable for use even in harsh conditions.

Product features

- Non-slip, impact-resistant, free-standing
- Strap holder / retaining clip made from POM
- Can be wall or desktop mounted
- Charging station with lamp retainer
- Including hand strap
- TorchLED with emergency light function: in the event of a power cut, the TorchLED will switch on automatically (wide full load, burn time approx. 4h)
- Optional with rechargeable battery (please order 4 rechargeable batteries)

Technical data for light

Power supply
TorchLED	4x1.5V batteries AA or
	4x1.2V NiMH batteries AA
TorchLED EMERGENCY	4x1.2V NiMH batteries AA
Charging time	5h with 2700mAh batteries
Light duration	approx. 6h
Light source	2x white/2x red/2x green LEDs
Protection category	IP54
Temperature range	-20°C to +45°C
Housing	PA6 with elastomer-surrounded handle parts
Housing colour	Yellow, optional olive Emergency light function: red
Weight	230g
Dimensions(WxHxD)	67.8x115.5x34mm

Technical data for charging station

Power supply	700mA charging current
Protection category	IP20
Contacts	Spring steel, gold-plated
Temperature range	0°C to +40°C
Housing	ABS
Dimensions (WxHxD)	86.6x79.6x44mm

TorchLED
Light functions with batteries or rechargeable batteries

Main function	Functions	Operating time Battery Rechargeable battery	
White light per 1 LED	Spot full load	Approx. 6h	Approx. 6h
	Spot dimmed	> 80h	> 80h
	Wide full load	Approx. 6h	Approx. 6h
	Wide dimmed	> 80h	> 80h
Signal lights per 2 LED	Full load	> 40h	> 30h
	dimmed	> 80h	> 60h

TorchLED with emergency light function
Light functions with rechargeable batteries

Main function	Functions	Operating time
White light per 1 LED	Spot full load	Approx. 6h
	Spot dimmed	> 60h
	Wide full load	Approx. 6h
	Wide dimmed	> 60h
Signal lights per 2 LED	Full load	> 30h
	dimmed	> 60h

Item no.	Description
860237	TorchLED for battery or rechargeable battery (excl.), IP54, incl. hand strap
291822	TorchLED „olive" for battery or rechargeable battery (excl.), IP54, incl. hand strap
860236	TorchLED emergency light for battery or rechargeable battery (excl.), IP54, incl. hand strap
860276	TorchLED 230VAC/15VDC charging station, IP20, incl. 1.5m cable with plug transformer
860274	NiMH 1900 mAh rechargeable battery (AA) -1 piece-

TorchLED-Ex
Also available as explosion-proof version!
Further information please find on our page 226 / Ex-Products.

Portable work light

I-LED Akku 2
Rechargeable industry light

The I-LED battery-powered light 2 with base magnet is a highly robust, cable-free work light for professional use. The powerful light ensures a safe working environment. Whether it be positioned on the floor, wall or ceiling - a powerful magnet in the base plinth of the light allows it to be located wherever two-handed working is needed.

Product features

- With charge and capacity display via LED
- Holding / hanging bracket 180° pivotable
- Base with 4x magnet 50N
- Full luminous flux available immediately
- Minimal temperature development
- Maintenance-free
- No UV / IR-radiation
- Insensitive to shock and vibration

Technical data

Input voltage	7.4VDC
Power supply	Li-ion 4400mAh
Charging time	Approx. 5h
Light duration	10h mode 50%
	5h mode 100%
Switching mode	100, 50%, SOS (flashing), OFF
Light source	5x3W LED
Luminous flux	900lm
Light colour	6500K
Beam angle	Flood 90°
Protection category	IP65
Protection class	III
Temperature range Operation	-20°C to +45°
Charging	+10°C to +30°C
Housing	Rubberized plastic, shockproof
Cover	Plastic
Weight	850g incl. battery
Dimensions (WxHxD)	120x237x115mm

Item no.	Description
840596	I-LED Akku 2, rechargeable industry light with 4 magnets incl. 230V power supply and USB connection

Torch HR
Rechargeable head light

With a maximum output of 420 Lumens, this headlamp is a true lighting marvel. Its lightweight description conceals the very best technology. Thanks to its 2 levels of brightness, the selectable focus and pivot LED head, the Torch HR makes your work in environments with poor lighting easier and most importantly safer.

Product features

- Rechargeable through Li-ion battery
- 2 brightness levels, high beam (100%), dipped beam (20%)
- Stepless regulation between narrow and wide beam
- LED head can be pivoted into various positions up to 90°
- Soft, adjustable, elasticrubber strap for maximum wearing comfort
- Red LED warning light on the back

Technical data

Power supply	Li-ion battery, 2600mAh
Light duration	8h High beam
	16h Dipped beam
Beam width	150m
Beam width	1.6m at a distance of 1m
Light source	5W CREE LED
Luminous flux	420lm High beam
	82lm Dipped beam
Light colour	7500K
Protection category	IP65
Temperature range	-5°C to +40°C
Housing	Aluminium
Lens	Acrylic
Weight	164 g incl. battery
Dimensions(ØxL)	33x45mm

Item no.	Description
800038	Torch HR battery head light
269635	Torch H7R2 rechargeable battery head light

WorkLED FLEX 2
Rechargeable hand lamp

The WorkLED FLEX 2 rechargeable hand lamp is a highly robust, cable-free work light for professional use. Equipped with a flexible joint function, you can light up even hard-to-access areas. A powerful magnet in the base of the light and a hook on the light head allow the WorkLED FLEX to be located wherever two-handed working is needed.

Product features

- LED Chip on Board (COB) Technology with charge indicator (3 LEDs)
- Joint function in both directions
- Unbreakable ABS housing with TPE rubber jacket
  (Resistant to acids and alkalis)
- Lens protection ring made of aluminium
- Lens made from shatter-proof and impact-resistant polycarbonate, exchangeable (spare lens included)
- Ergonomically shaped handle
- Powerful magnet on the base
- Durable, pivotable fastening hook

Technical data

Power supply	Li-ion battery
Light duration	up to 7.5h
Light source	6W COB LED
Luminous flux	up to 500lm
Light colour	6000K
Protection category	IP65
Protection class	III
Impact resistance	IK 07
Temperature range	-20°C bis +50°C
CRI	>95 Ra
Housing	ABS
Lens	Polycarbonate
Weight	380g
Dimensions (WxLxD)	230x60x40mm

Item no.	Description
800197	WorkLED FLEX 2 incl. USB charger cable*

*Charges on all commercially available USB power supplies

Torch PENLIGHT
Battery hand lamp

This compact and handy Mini LED torch is equipped with a practical belt clip. A magnet in the base allows your working environment to be illuminated even while you are working with both hands.

Product features

- Magnet in the base
- Incl. belt clip and batteries

Technical data

Power supply	3xAAA
Light duration	6 h
Light source	6x0.5W COB LED
Luminous flux	200lm
Light colour	5500K
Temperature range	-5°C to +40°C
Weight	33g
Dimensions (ØxL)	20x160mm

Item no.	Description
800008	Torch PENLIGHT

Portable work light

S-series torch
Battery hand lights

Torch S1

Torch S5

Torch S7

This robust torch is suitable for professional use indoors and outdoors. The advantages of this torch include the even light distribution, pleasant light colour and great feel.

A specially hardened light head means that the Torch S series can act as a hammer in an emergency for shattering windows.

Product features

- Unique, attractive design
- Housing made from aircraft aluminium
- Optical focus with slider function for maximum flexibility
- Gold-plated contacts
- On/Off switch in the grip
- Incl. batteries, hand strap, belt holster on the S5 and S1
- Torch S1 functions:
    - Continuous dimming (1-100%)
    - Strobe light
    - Flash
    - SOS signal
    - Focusable

Technical data for Torch S1

Power supply	4xAAA/1.5V
Light duration	51h
Light source	5W CREE LED
Luminous flux	420lm
Protection category	IP65
Weight	176g incl. batteries
Dimensions (ØxL)	37x139mm

Technical data for Torch S5

Power supply	3xAAA/1.5V
Light duration	30h
Light source	5W CREE LED
Luminous flux	320lm
Protection category	IP65
Weight	86g
Dimensions (ØxL)	32x123mm

Technical data forTorch S7

Power supply	2xAAA/1.5V
Light duration	3.5h
Light source	3W CREE LED
Luminous flux	110lm
Protection category	IP65
Weight	94g incl. batteries
Dimensions (ØxL)	15x137mm

Item no.	Description
800001	Torch S1 battery hand light
800002	Torch S5 battery hand light
800003	Torch S7 battery hand light

StabiLED
LED tubular light

Innovative lighting technology with increased safety is the basis for our development of the StabiLED series. Outstanding light power with minimal energy consumption is its hallmark feature.

☒☒☒ CE ☒
▢ dependent on description

Product features

- Grip and cap made from insulating material with shock-attenuatingprotective edges
- Glare-free work light distributed along a long length
- Built-in electronics with protection module
- Handy hanging device with rotating hook
- Unaffected by temperature fluctuations
- Oil, acid and ageing resistant, self-extinguishing

Technical data

Input voltage	230VAC, 42/24VAC/DC
Power supply	Mains connection
Light source	6x1W high-power LEDs
Luminous flux	2600lm
Service life	> 70,000h
Protection category	IP55
Protection class	II / III
Housing	Solid rubber
Housing	Polycarbonate
Weight	250g (without cable)
Dimensions (ØxL)	60x500mm

Item no.	Description	Supply cable	Plug
256735	24V	5m 2x1.0mm²	CEE 16A/24V
256738	24V	10m 2x1.0mm²	CEE 16A/24V
256737	42V	5m 2x1.0mm²	CEE 16A/42V
256739	42V	10m 2x1.0mm²	CEE 16A/42V
256733	230V	5m 2x1.0mm²	Contour plug
256734	230V	10m 2x1.0mm²	Contour plug
Accessories / spare parts			
256731	Electronics for 24/48VAC/DC		
256724	Electronics for 230V		
256725	Protective tube for 24/42 and 230V		
258153	Rubber cap with hook		
258151	Rubber grip		
258234	Magnetic holder, holding force 209 N with clamping bridge		
258915	Suction cup holder with clamp		

Portable work light

911
LED hand-held floodlight

The powerful 911 hand-held floodlight is now also available with the latest LED technology.

Product features

- Protective insulation, impact-resistant light body made from solid rubber withhanging ring
- Ergonomic handle with combination switch for constant light and pulsed operation
- Shatter-proof safety glass
- Combination ON/OFF switch and touch function

Technical data

Input voltage	230/42/24VAC
Power supply	Mains connection
Light source	6x2W LEDs
Luminous flux	1400lm
Protection category	IP54
Protection class	II / III
Housing	Solid rubber
Cover	Safety glass
Weight	1200g (without cable)

Item no.	Description	Supply cable	Plug
276195	24VAC/7.5W	5m 2x1.5mm²	CEE 16A/24V
274285	24VAC/7.5W	10m 2x1.5mm²	CEE 16A/24V
273643	42VAC/7.5W	10m 2x1.5mm²	CEE 16A/42V
279566	42VAC/7.5W	5m 2x1.5mm²	CEE 16A/42V
274286	230VAC/7.5W	3m 2x1.5mm²	230V protective contact

Accessories / spare parts	
105119	Rubber housing for light
105623	Toggle switch
274580	LED driver 24-42 VAC/DC for 911LED, without housing
270241	LED PCB for 911LED

911
Halogen hand-held floodlight

This is a powerful and compact hand-held floodlight ideal for use as a search or inspection light.

Product features

- Protectivelyinsulated, impact-resistant light body made from solid rubber withhanging ring
- Ergonomic handle with combination switch for constant light and pulsed operation
- Spot beam as standard PS (narrow, concentrated light cone up to 250 m) or broad beam BS

Technical data

Input voltage	230V, 42V, 24V
Power supply	Mains connection / cigarette lighter plug
Light source	Halogen reflector lamp 75W/100W
Protection category	IP55
Protection class	III
Housing	Solid rubber
Cover	Safety glass
Weight	900g (without cable)

Item no.	Description	Supply cable	Plug
203478	24V/75W BB	5m 2x1.5mm²	CEE 16A/24V
203484	24V/75W BB	10m 2x1.5mm²	CEE 16A/24V
112443	24V/100W SB	5m 2x1.5mm²	CEE 16A/24V
109983	24V/100W SB	10m 2x1.5mm²	CEE 16A/24V
203460	42V/75W BB	5m 2x1.5mm²	CEE 16A/42V
203464	42V/75W BB	10m 2x1.5mm²	CEE 16A/42V
112449	42V/100W SB	5m 2x1.5mm²	CEE 16A/42V
246512	42V/100W SB	10m 2x1.5mm²	CEE 16A/42V
114078	230/24/75 W SB	5m 2x1.5mm²	Connector power supply
209396	230/24/75 W SB	5m 2x1.5mm²	Connector power supply

Accessories / spare parts	
105119	Rubber housing for light
105623	Toggle switch
104760	Spare reflector for 75 W broad beam light, socket, front pane
104761	Spare reflector for 75 W spot beam light, socket, Front pane
105063	Spare socket for 75 W
110223	Spare glass for 75 W
104739	24 V / 75 W halogen bulb
202018	42V / 75 W halogen bulb
104759	24 V / 42 V / 100 W halogen bulb, socket, reflector
112727	Connector power supply

911
Additional options

In accordance with applicable regulations, energy consumers with appropriate protective low voltages must be used in areas where there are conductive materials.
The combinationhalogen hand-held floodlight with cable reelis specifically ideal for use during inspection work in largeboiler tanks, containers and similar vessels.

Characteristic of the halogen version
Safety transformed built into the reel body.

Characteristic of the LED version
No safety transformer and/or use of an autonomous
safety transformer.

Mobile safety transformer
Another possibility comes with the use of an
autonomous safetytransformer.
Characteristic: can also be used in other ways

Important! The relevant application regulations must be observed when using these additional options.

Item no.	Description
259805	911 hand-held floodlight, 100W, spotlight on cable reel fully equipped with 25m supply cable 2x2.5 mm^2 on main reel, 230/24V-120VA toroidal core transformer built in, 5m 2x1.5mm^2 supply cable with contour plug on auxiliary reel
259807	911 hand-held floodlight, 75W, broad beam light, on cable reel fully equipped with 25m cable, supply cable 2x2.5mm^2 on main reel, 230V/24V-120VA toroidal core transformer built in, supply cable 5m, 2x1.5mm^2 with contour plug on auxiliary reel
208768	Mobile safety transformer, housing type 2516 120VA, 230/24V
208628	Mobile safety transformer, housing type 2516 120VA, 230/42V

Other designs available upon request.

Portable work light

PrimaLED
30W flood light

The PrimaLED is a professional luminaire with high light output in combination with low evolution of heat and low energy consumption. This work light guarantees an optimum surface illumination through glare-free and evenly distributed light. In addition, the flood light offers various installation options for every application: hanging, lying or standing!

Product features

- Full light flux immediately available
- Low energy consumption with a high light yield
- Minimal temperature development
- Extremely switching-resistant (> 1 million)
- Maintenance-free
- No UV / IR-radiation
- Carrying handle also serves as a support which, when engaged, moves the lights to the desired position
- Impact and shock resistant, water and dust-proof

Technical data

Input voltage	230VAC, 24/42VAC/DC
Power supply	Mains connection
Light source	60x0.5W SMD-LEDs
LED efficiency	120lm/W
Light colour	4000K
Protection category	IP65 (without socket)
	IP54 (with socket)
Protection class	I (230V with socket)
	II (230V without socket)
	III (24/42 V)
Temperature operating range	-20°C to +40°C
Housing	Polycarbonate
Cover	Satin-finish PMMA
Weight	3.1kg
Dimensions (WxHxD)	305x295x110mm

D rating as per VDE 0711-2-24 or EN 60598-2-24

Item no.	Description	Socket	Supply cable	Plug
283631	24V/30W	CEE 24V	5m 2x1.5mm^2	CEE 16A/24V
283632	24V/30W	-	5m 2x1.5mm^2	CEE 16A/24V
283633	24V/30W	CEE 24V	10m 2x1.5mm^2	CEE 16A/24V
283634	24V/30W	-	10m 2x1.5mm^2	CEE 16A/24V
283635	42V/30W	CEE 42V	5m 2x1.5mm^2	CEE 16A/42V
283636	42V/30W	-	5m 2x1.5mm^2	CEE 16A/42V
283637	42V/30W	CEE 42V	10m 2x1.5mm^2	CEE 16A/42V
283638	42V/30W	-	10m 2x1.5mm^2	CEE 16A/42V
283640	230V/30W	PC*	5m 3x1.5mm^2	PC*
283641	230V/30W	-	5m 2x1.5mm^2	Contour plug
283642	230V/30W	PC*	10m 3x1.5mm^2	PC*
283643	230V/30W	-	10m 2x1.5mm^2	Contour plug

*PC = protective contact

Accessories / spare parts	
262926	Basic stand - height 1.20m to 2.00m, load up to 30kg
261246	Plus stand 3-part - height 1.22m to 2.75m
261251	Mobile Plus stand 3-part - height 1.22m to 2.75m
261249	Plus stand 4-part - height 1.30m to 4.00m
261253	Mobile Plus stand 4-part - height 1.30m to 4.00m
271698	Uni stand top piece
273561	Uni stand top piece - extension for 1x PrimaLIGHT
264916	Twin adapter for 1+1 light Span width adjustable from 310mm to 490mm
284468	Front pane PrimaLED
230801	Reflector
230802	Handle
230810	Wall fitting
248199	Ceiling bracket
258506	Magnetic bracket
235824	Plus magnetic bracket

Other designs available upon request.

PrimaLED
Accessories

Screw-fix ceiling bracket
with locking mechanism
Item no. 248199

Ceiling mounting

Screw-fix wall bracket
Item no. 230810

Wall mounting

Uni stand top piece
Item no. 271698

Uni stand top piece extension
for 1x PrimaLED
Item no. 273561

Twin adapter for stand top piece
1+1 PrimaLED
Item no.: 264916
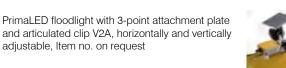
Basic stand Item no. 262926

Plus magnetic bracket
Item no. 235824

Magnetic bracket for ceiling / wall mounting
(1 light) with locking mechanism
Item no. 258506

PrimaLED floodlight with three ring eyelets
equipped for chain, hanging, etc.
Item no. on request

PrimaLED floodlight with 3-point attachment plate
and articulated clip V2A, horizontally and vertically
adjustable, Item no. on request

Plus stand 3-part* Item no. 261246

* on request also
   3-part mobile Item no. 261251
   4-part mobile Item no. 261249
   4-part mobile Item no. 261253

Portable work light

MULTI
72W work light

The MULTI work light is a very special, sophisticated and professional light for industrial and commercial use. With its impressive light output (2x2800lm) and extremely low heat generation, it is descriptioned for very specialist applications. It guarantees optimised floodlighting with glare-free, powerful and bright white light. Various setup options ensure a broad range of possible uses.

Product features

- Black housing made from polycarbonate with rubber jacketto reinforce the edges
- Practical handle, makes carrying easier, also serves as a simple hanging tool
- Bulb cover made from PMMA: shock and impact resistant, seals housing to make it water and dust-proof
- Low current consumption: 72 Watt energy saving bulb

Technical data

Input voltage	230/42/24VAC
Power supply	Mains connection
Light source	Dulux F compact fluorescent bulb
Luminous flux	2x2800lm
Protection category	IP65 (without socket)
	IP54 (with socket)
Protection class	I (230V with socket)
	II (230V without socket)
	III (24/42V without socket)
Housing	Polycarbonate
Cover	PMMA
Weight	230V 4.1kg, 24/42V 5.2kg
Dimensions (WxHxD)	305x295x170mm

D rating on the 230VAC / 2x36 W according to per VDE 0711-2-24 or EN 60598-2-24

dependent on description

Item no.	Description	Socket	Supply cable	Plug
235417	230V/2x36W	-	5m 2x1.5mm²	Contour plug
235418	230V/2x36W	-	10m 2x1.5mm²	Contour plug
235592	230V/2x36W	Protective contact	3m 1x1.5mm²	Protective contact
235548	230V/2x36W	Protective contact	10m 3x1.5mm²	Protective contact
235422	24V/2x36W	-	5m 2x1.5mm²	CEE 16A/24V
235425	24V/2x36W	-	10m 2x1.5mm²	CEE 16A/24V
235593	24V/2x36W	CEE 24V	5m 2x2.5mm²	CEE 16A/24V
235706	24V/2x36W	CEE 24V	10m 2x1.5mm²	CEE 16A/24V
235421	42V/2x36W	-	5m 2x1.5mm²	CEE 16A/42V
235420	42V/2x36W	-	10m 2x2.5mm²	CEE 16A/42V
235594	42V/2x36W	CEE 42V	5m 2x2.5 mm²	CEE 16A/42V
235709	42V/2x36W	CEE 42V	10m 2x2.5mm²	CEE 16A/42V
Accessories / spare parts				
209422	Illuminant 36W energy saving bulb			
230991	Front pane			
247792	Reflector fully pre-installed with socket and bulb bracket			
114602	Magnetic clamp			
209423	Socket for 36 W energy saving bulb			
209424	Bracket for 36 W energy saving bulb			
261246	Plus stand 3-part - height 1.22m to 2.75m			
261251	Mobile Plus stand 3-part - height 1.22m to 2.75m			
261249	Plus stand 4-part - height 1.30m to 4.00m			
261253	Mobile Plus stand 4-part - height 1.30m to 4.00m			
264916	Twin adapter for 1+1 light or 2+2 lights Span width adjustable from 310mm to 490mm			
273561	Uni stand top piece - extension for 2 x MULTI			
271698	Uni stand top piece			
247796	Electronic EV6 230V			
237099	Toroidal core transformer for low voltage 24/42V			
236744	Fastening clips for tripod			

Other designs, e.g. with fastening clip or magnets, available on request.

MULTI
Accessories

Magnetic clamp Item no. 114602

Can be combined with magnetic clamps, Item no. on request

Fastening clamp Item no. on request

Wall or ceiling mounting

Aluminium wall bracket, swivels with articulated joint, Item no. 236744

Hanging description using 4 ring eyelets
(chains, hanging, etc. at construction site), Item no. on request

Fixed ceiling or wall mounting with wall / ceiling mounting plate
Item no. 258506

2-way clip for stand Item no. 236484

Twin adapter for stand top piece Item no. 264916 2 + 2 lights

Plus stand 3-part* Item no. 261246

Uni stand top piece Item no. 271698

Uni stand top piece - extension for 2 x MULTI Item no. 273561

* on request also mobile 3-part Item no. 261251;
  4-part mobile Item no. 261249; 4-part mobile Item no. 261253

Portable work light

NovaLED
60W work light

The NovaLED work light is a technically mature, professional luminaire. Thanks to state-of-the-art LED technology, the full luminous flux is available immediately after switch-on. There is no time delay of the type seen with fluorescent bulbs. It also offers various installation options for every application: hanging, lying or standing.

Product features

- Housing made from impact-resistant polycarbonate
- Rubber edges as impact and shock protection
- Satin finish front pane made from shock and impact-resistant PMMA
- Housing is water and dust-proof
- Carrying and positioning handle for any lighting position

Technical data

Input voltage	90 to 300VAC / 130 to 430VDC
Power supply	Mains connection
Light source	120x0.5W LEDs
System power	70 W
Luminous flux	7200lm
Light colour	5000K
Service life	> 50,000h
Protection category	IP54
Protection class	I/II
Housing	Polycarbonate
Cover	PMMA
Weight	4.5kg
Dimensions (WxHxD)	330x490x125mm

je nach Ausführung

Item no.	Description	Socket	Supply cable	Plug
800012	90-300VAC / 130-430VDC/ 60W	-	5m 3x1.5mm²	Protective contact
800013	90-300VAC / 130-430VDC/ 60W	3 protective contacts	5m 3x1.5mm²	Protective contact

Accessories / spare parts	
285580	Front pane NovaLED
262926	Basic stand - height 1.20m to 2.00m, load up to 30kg
261246	Plus stand 3-part - height 1.22m to 2.75m
261251	Mobile Plus stand 3-part - height 1.22m to 2.75m
261249	Plus stand 4-part - height 1.30m to 4.00m
261253	Mobile Plus stand 4-part - height 1.30m to 4.00m
264916	Twin adapter (Premium stand) for 1+1 light or 2+2 lights Span width adjustable from 310 mm to 490 mm
271698	Uni stand top piece (Premium stand)
273561	Uni stand top piece (Premium stand) Extension for 2x NovaLED
278852	Stand top piece (Plus 3-piece stand) for 1x NovaLED
278853	Stand top piece (Plus 3-piece stand) for 2x NovaLED

Low voltage on request.

NovaLED
Accessories

Twin adapter for stand top piece Item no. 264916 2 + 2 lights

Uni stand top piece - extension for 2 x NovaED Item no. 273561

Uni stand top piece Item no. 271698

Stand top piece (Plus 3-piece stand) for 1x NovaLED Item no. 278852
Stand top piece (Plus 3-piece stand) for 2x NovaLED Item no. 278853

Basic stand Item no. 262926

Plus stand 3-part* Item no. 261246

* on request also
  3-part mobile Item no. 261251
  4-part mobile Item no. 261249
  4-part mobile Item no. 261253

Frame for NovaLED incl. fastening material Item no. 277992

Portable work light

ApolloLED2
Area light

The ApolloLED2 is the second further development of the proven Apollo lamp.

Product features

- Full power, immediately after switch-on
- Immediately ready for use even at extremely low temperatures
- Low wind load
- No warm-up period, no cool-down period
- Robust design, illuminant cannot splint or break
- Practical, rapid and simple assembly by one person
- Operation with integrated power supplies

Technical data

Light source	896x0.5W SMD-LEDs
System power	538W*
Luminous flux	up to 53760lm
LED efficiency	120lm/W
Light colour	5000 K
Input voltage	100~277VAC
Service life	> 50,000h
Protection category	IP44 (IP54 from above)
Protection class	I
Weight	11kg
Dimensions (ØxL)	205x900mm
Temperature operating range	-25°C to +45°C
Housing	Plastic
Cover	Plastic
Power supply	2
Opt. deployment height	3500mm
Illumination area	over 700m^2
Full power	Immediately

*System power is dependent on the operating mode

Transport case

Dimensions (WxLxH)	280x1180x300mm
Weight	8.6kg

Tripod

Dimensions	
Height extended	3580mm
Diameter / foot circle	1280mm
Load capacity	30kg
Weight	21.5kg

Further information please find in our product information 9|12.

Temperature switch with overheating protection

Ifthe temperature inside the light exceeds the set value, the temperature switch turns the illuminant off while the internal fan continues to run.
If the temperature inside the light then falls below a set value, the temperature switch responds automatically. This behaviour is independent of the presence or otherwise of mains voltage.

Light with filter bag

The filter bag has been developed especially for use in very dusty environments, particularly where there is coal dust. The Apollo lights are therefore ideal for use in boilers of the kind found in lignite-fired power plants, for example.

Setup and operation

In addition to setup on the special stand, the ApolloLED2 can also be mounted and operated while hung up. To find the perfect position for a wide range of lighting purposes, it is possible to use a joint on the stand support which can be inclined at 15-degree increments (up to a maximum of 45°).

Flexible illumination

In order to avoid dazzling uninvolved people (e.g. on construction sites, on roads and on railway systems), the ApolloLED2 can be switched between the operation of all illuminants and the operation of single-sided lighting:
ApolloLED2: Full power 896 x 0.5W versus 448 x 0.5W power

Item no.	Description
286297	ApolloLED2 230V
Accessories / spare parts	
266688	Solid crank stand chrome-plated steel Height max. 3.58 m with 3 standing feet
266937	Apollo case
271587	Apollo case for stand
274628	Adapter insert compliant with DIN 14640
267529	Stand joint (inclination up to max. 45°)
268160	Plate foot stand
268011	Carrying bag for stand, including carrying straps
269318	5m connecting cable, 230V
268328	5m connecting cable, 230V, IP68
268834	10m connecting cable, 230V
269320	10m connecting cable, 230V, IP68
268997	Guide rope set
277342	Extension of Apollo with filter bag
277343	Spare filter for filter bag

Case
Item no. 266937

Solid crank stand
Item No. 266688

GIFAS
ELECTRIC

ApolloLED ECO
Area light

⚠ C E ⊤

The proven concept of our ApolloLED passes on to the next generation: The ApolloLED ECO has a reduced height and lower weight. Thanks to the latest high-end SMD LEDs the luminaire ensures maximum illumination (156 lm/W). Even the accessories, such as transport bag and tripod, are now easier to handle and allow the ApolloLED ECO system to become a practical area lighting in a compact description.

Product features

- Smaller, lighter, enormous power!
- Fully symmetrical light distribution
- Exceptional low evolution of heat

Technical data

Light source:	480x0.5W SMD-LEDs
System performance:	300W
Lighting current:	up to 40000lm
LED efficiency:	156lm/W
Light colour:	5000K
Input voltage:	100~277VAC
Operating life:	> 50,000h
Protection category:	IP44 (IP54 from above)
Protection class:	I
Weight:	7.5kg
Dimensions L x D:	600x208mm
Operating range of temperature:	-25°C to +50°C
Housing:	Plastic
Cover:	Plastic
Power supply:	1
Opt. mounting:	2700mm
Illumination area:	over 600m²
Full power:	immediate

Transport bag

Dimensions (L x D):	650x210mm
Weight:	0,3kg

Tripod

Dimensions
Height extended:	2400mm
Diameter/foot circle:	1280mm
Load capacity:	50kg
Weight:	9.4kg

Item no.	Description
290922	ApolloLED ECO 230V
Accessories / spare parts	
291388	Tripod for ApolloLED ECO Solid crank tripod, height max. 2.40m
291387	ApolloLED ECO transport bag
274628	Adapter insert compliant with DIN 14640
267529	Tripod joint (inclination up to max. 45°)
269318	5m connecting cable, 230V*
268328	5m connecting cable, 230V, IP 68*
268834	10m connecting cable, 230V*
269320	10m connecting cable, 230V, IP 68*
268997	Guide rope set
277342	Filter bag
277343	Spare filter for filter bag

*The connecting cable is an essential accessory (4 versions are available).

15° 15° 15°

Illustration similar

ApolloLED ECO with tripod joint
Item no. 267529
Tilt up to a maximum of 45°.

Transport bag
Item no. 291387

Solid crank tripod
Item no. 291388

Industrial lights

BetaLUXX
LED ceiling light

End cap

Assembly clip

◈▢ C E ⓣ ▽

The BetaLUXX LED ceiling light is extremely sturdy and has a high protection category of IP66. The assembly clips simplify installation. The BetaLUXX is versatile in industry and other harsh environments.

Product features

- Even light distribution
- Low glare effect thanks to satin-finish cover
- Simple direct mounting via stainless spring steel assembly clip (1.4310), included in delivery
- Low energy consumption with a high light yield
- 5-year warranty!

Item no.	Description
860616	BetaLUXX 20, 230 VAC, 5000 K, 1964 lm
860470	BetaLUXX 40, 230 VAC, 5000 K, 3929 lm
860480	BetaLUXX 60, 230 VAC, 5000 K, 6574 lm
292000	Cable connector 2-pol 17.5 A, 250VAC, ø 7-12 mm, IP68
292001	Cable socket 2-pol, 17.5 A, 250VAC, ø 7 - 12 mm, IP68

Technical data

Input voltage	100-277 VAC
Light source	LED
System power	20W / 35W / 55W
Luminous flux	1964lm / 4200lm / 6825lm
LED efficiency	98.2lm/W / 112lm/W / 120lm/W
Light colour	5000K
Beam angle	120°
CRI (colour reproduction index)	Ra >80
Service life	> 50000h
Protection category	IP66
Protection class	II
Temperature operation range	-20° C to +40° C
Housing	Aluminium, grey
Cover	Plastic
Impact resistance	IK10
Weight	approx. 1.2kg / 2,0kg / 2,9kg
Dimensions (LxWxH)	570x69x59mm / 1046x69x59mm / 1524x69x59mm

D rating as per VDE 0711-2-24 or EN 60598-2-24

LineLED PRO2
LED moisture-proof lamp

CE ⊤ **IK10**

Only high-quality components from renowned manufacturers are used for the LineLED PRO2 ceiling light. This LED moisture-proof lamp does not require the use of T8-LED-light sources, it is equipped with a high-quality metal core board.

A satinised cover reduce the dazzle effect and an even light distribution ensures a level of visual comfort. The high protection class IP65 protects the luminaire against the ingress of dirt and water.

Item no.	Description	Substitute for
292867	LineLED PRO2 W36V230/ 5000K/1220mm/DV3x1.5/-	2x36W / 1x58W
292868	LineLED PRO2 W54V230/ 5000K/1560mm/DV3x1.5/-	2x58W / 1x70W
292869	LineLED PRO2 W65V230/ 5000K/1560mm/DV3x1.5/-	2x70W

Product features

- Full light flux available immediately
- Low energy consumption with a high light yield
- Minimal temperature development
- Extremely switching-resistant (> 1 million)
- Maintenance-free
- No UV / IR-radiation
- Insensitive to shock and vibration
- CE
- Glow wire test 850°C
- Incl. feed-through wiring 3x1,5qmm

Technical data

nput voltage	220~240VAC
Light source	LED
System power	36W / 54W / 65W
Luminous flux	4320lm / 6480lm / 9100lm
LED efficiency	up to 140lm/W
Light colour	5000K
Beam angle	120°
CRI (colour reproduction index)	Ra >80
Service life	> 50000h
Protection category	IP65
Protection class	I
Impact resistance	IK10
Temperature operation range	-20° C to +40° C
Cover	PC
Weight	2.5 kg / 3.2 kg / 3.2kg
Dimensions (L x W x H)	1220x 90x68mm / 1560x100x82mm / 1560x100x82mm

StreamLIGHT SL70
Protected tube light

◈▲▲CE⊤

GIFAS has completely overhauled its portfolio of protected tube lights. The protection category has been increased up to IP68 and the connection convenience has been massively improved.

Thanks to their high protection category, the SL70 protected tube lights can work without problems or maintenance even under extreme conditions. This standard protected tube lights range has been developed for mounting on or installation in machinery. They are however also suitable for illuminating switching systems and control consoles. Areas of application include wet rooms, tunnels, corners, sewers, water reservoirs, etc.

Product features

- Fluorescent bulb in rod shape or compact fluorescent bulb
- Light body made from shock-resistant PMMA or borosilicate glass
- Resistant to chemical and mechanical influences
- Sealing cover made from fibreglass-reinforced nylon 66, dust and water tight
- With feed-through wiring and additional internal cable gland* as standard

*On lights that have been equipped with a connecting cable at the factory, the additional cable gland is not provided.

Technical data

Input voltage	12/24VDC, 24/42/230VAC
Ballast unit	EBU (electronic ballast unit) installed
Light colour	4000K
Protection category	IP68
Protection class	I / III
Temperature operating range	-25 to +45 °C
Housing	PMMA / borosilicate glass
Weight	approx. 7.0kg
Dimensions Ø	70mm

End cap with
two sealing O-rings

End cap with
safety cap fitted

Item no.	Description	Voltage	Power	Length	Illuminant
840047	Borosilicate glass	12VDC	18W	750mm	TC-L compact
840046	PMMA	12VDC	18W	750mm	TC-L compact
840064	Borosilicate glass	12VDC	36W	925mm	TC-L compact
840056	PMMA	12VDC	36W	925mm	TC-L compact
840049	Borosilicate glass	24VDC	18W	750mm	TC-L compact
840048	PMMA	24VDC	18W	750mm	TC-L compact
840067	Borosilicate glass	24VDC	36W	925mm	TC-L compact
840066	PMMA	24VDC	36W	925mm	TC-L compact
840051	Borosilicate glass	24VAC	18W	750mm	TC-L compact
840050	PMMA	24VAC	18W	750mm	TC-L compact
840070	Borosilicate glass	24VAC	36W	925mm	TC-L compact
840069	PMMA	24VAC	36W	925mm	TC-L compact
840055	Borosilicate glass	42VAC	18W	750mm	TC-L compact
840052	PMMA	42VAC	18W	750mm	TC-L compact
840080	Borosilicate glass	42VAC	36W	925mm	TC-L compact
840079	PMMA	42VAC	36W	925mm	TC-L compact

Item no.	Description	Voltage	Power	Length	Illuminant
840005	Borosilicate glass	230VAC	11W	500mm	TC-SEL compact
840004	PMMA	230VAC	11W	500mm	TC-SEL compact
840007	Borosilicate glass	230VAC	18W	565mm	TC-L compact
840006	PMMA	230VAC	18W	565mm	TC-L compact
840015	Borosilicate glass	230VAC	18W	925mm	T8 tubes
840014	PMMA	230VAC	18W	925mm	T8 tubes
840009	Borosilicate glass	230VAC	36W	750mm	TC-L compact
840008	PMMA	230VAC	36W	750mm	TC-L compact
840017	Borosilicate glass	230VAC	36W	1535mm	T8 tubes
840016	PMMA	230VAC	36W	1535mm	T8 tubes
840029	Borosilicate glass	230VAC	39W	1175mm	T5 tubes
840028	PMMA	230VAC	39W	1175mm	T5 tubes
840030	Borosilicate glass	230VAC	49W	1835mm	T5 tubes
840031	PMMA	230VAC	49W	1875mm	T5 tubes
840033	Borosilicate glass	230VAC	54W	1535mm	T5 tubes
840032	PMMA	230VAC	54W	1535mm	T5 tubes
840011	Borosilicate glass	230VAC	55W	925mm	TC-L compact
840010	PMMA	230VAC	55W	925mm	TC-L compact
840019	Borosilicate glass	230VAC	58W	1835mm	T8 tubes
840018	PMMA	230VAC	58W	1835mm	T8 tubes
840013	Borosilicate glass	230VAC	80W	925mm	TC-L compact
840012	PMMA	230VAC	80W	925mm	TC-L compact
840035	Borosilicate glass	230VAC	80W	1835mm	T5 tubes
840034	PMMA	230VAC	80W	1835mm	T5 tubes
840041	Borosilicate glass	230VAC	2x39W	1175mm	T5 tubes
840040	PMMA	230VAC	2x39W	1175mm	T5 tubes
840045	Borosilicate glass	230VAC	2x54W	1535mm	T5 tubes
840044	PMMA	230VAC	2x54W	1535mm	T5 tubes

StreamLED SL50
Protected tube light

The StreamLED SL50 and StreamLED Power represent an economical alternative to conventional protected tube lights. The powerful and energy-efficient LED tubes in the modern Description are particularly ideal for workshops, large factories, retail businesses, warehouses, supermarkets, refrigerated warehouses, hospitals, doctors' surgeries, museums, etc. The latest-generation LED tubes give out light energy concentrated at a defined beam angle (120°) unlike conventional fluorescent tubes without any of the annoying flickering.

Product features

- Low energy consumption with a high light yield
- 40% less heat generation than with fluorescent bulbs
- No starter and no ballast unit required
- Use of ultra-modern, patented LEDs
- Consistent illumination, regardless of external temperature
- Unbreakable (workplace safety)
- Non-dimmable
- With feed-through wiringandadditional internal cable gland*
  as standard

Technical data

Input voltage	230VAC
Power supply	Mains connection
Light source	T8 LED tubes
System output	10W / 20W / 27W
Luminous flux	1330lm / 3000lm / 4050lm
Light colour	4000K
Beam angle	120°
Service life	> 40,000h
Protection category	IP68
Protection class	I
Temperature operating range	-25 to +45 °C
Housing	PMMA
Dimensions Ø	54mm

*On lights that have been equipped with a connecting cable at the factory, the additional cable gland is not provided.

Item no.	Description	Voltage	Power	Length
840001	PMMA	230V	10W	960mm
840002	PMMA	230V	20W	1570mm
840003	PMMA	230V	27W	1870mm
Accessories				
840082	Wall bracket V4A*			

*2 pieces per tube light required

Weitere Ausführungen auf Anfrage.

Industrial lights

StreamLED POWER
Protected tube light

The StreamLED Power represent an economical alternative to conventional protected tube lights. The powerful and energy-efficient LED tubes in the modern Description are particularly ideal for workshops, large factories, retail businesses, warehouses, supermarkets, refrigerated warehouses, hospitals, doctors' surgeries, museums, etc. The latest-generation LED tubes give out light energy concentrated at a defined beam angle (120°) unlike conventional fluorescent tubes without any of the annoying flickering.

Item no.	Description	Voltage	Power	Length
284575	PMMA	230V	11W	660mm
287835	PMMA	230V	16.8W	1080mm

Product features

- Connection via M20 cable gland (for cables with a diameter of 7-14 mm)
- Can be used indoors and outdoors
- Low energy consumption with a high light yield
- Full luminous flux available immediately
- Minimal temperature development
- Consistent illumination, regardless of external temperature
- Degree of protection for mechanical damage where acrylic tubes are used: IK09
- Extremely switching-resistant (> 1 million)
- Maintenance-free
- Impervious to impact and vibration, unbreakable (workplace safety)
- No UV / IR-radiation
- With feed-through wiringandadditional internal cable gland* as standard

Technical data

Input voltage	230VAC
Power supply	Mains connection
Light source	LED strips
System power	11W / 16.8W
Luminous flux	700lm / 1,200lm
Light colour	6500K
Beam angle	120°
Protection category	IP67
Protection class	I
Temperature operating range	-30 to +50 °C
Housing	PMMA
Dimensions Ø	54mm

*On lights that have been equipped with a connecting cable at the factory, the additional cable gland is not provided.

Other designs available upon request.

Protected tube lights
Accessories
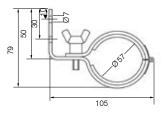
Accessories / spare parts	
840082	Wall bracket SL50+ SL Power, stainless steel V4A*
840083	Wall bracket SL70 type 1, stainless steel V4A*
840084	Wall bracket SL70 type 2, stainless steel V4A*
840085	Wall bracket SL70 type 3, stainless steel V4A*
237622	TC-SEL compact light source 11W/230V
210791	TC-L compact light source 18W/230V
260026	TC-L compact light source 36W/230V
237618	TC-L compact light source 55W/230V
263773	TC-L compact light source 80W/230V
237231	T8 fluorescent tubes 18W/230V
237613	T8 fluorescent tubes 36W/230V
237614	T8 fluorescent tubes 58W/230V
282301	T5 fluorescent tubes 14W/230V
282302	T5 fluorescent tubes 21W/230V
282303	T5 fluorescent tubes 24W/230V
282304	T5 fluorescent tubes 28W/230V
282305	T5 fluorescent tubes 39W/230V
282306	T5 fluorescent tubes 49W/230V
282307	T5 fluorescent tubes 54W/230V
282308	T5 fluorescent tubes 80W/230V
282986	T8 LED tubes 11W/230V
282309	T8 LED tubes 26W/230V
282310	T8 LED tubes 32W/230V
On request	Cable gland
282491	Installation wrench
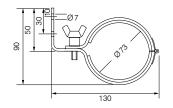
*2 x per light
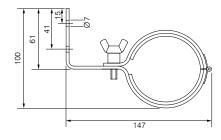
Wall bracket SL50+ SL Power, Item no. 840082
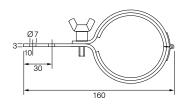
Wall bracket SL70 type 1, Item no. 840083

Wall bracket SL70 type 2, Item no. 840084

Wall bracket SL70 type 3, Item no. 840085

Workstation lights

MasterLED
Workstation LED light

Type 1
(with 1 joint)

Type 3
(with 3 joints)

Good visibility for safety at work in all situations. The right light source, safe and convenient, provides light on an as-needed basis for every illumination task and offers energy-efficient, long-lasting lighting in commercial situations, industry and applications both indoors and outdoors. The LED workstation light is extremely robust and equipped with shatter-free glass. With its various articulated arms, the MasterLED can rotate and swivel, making it the perfect light for all manner of different uses.

Product features

- Full light flux available immediately
- Low energy consumption with a high light yield
- Extremely resilient to switching (> 1 million)
- Insensitive to shock and vibration
- With satin-finish lens
- Can be rotated and swivelled in various positions
- Screw-on lamp base
- On/Off switch on the rear lamp head
- Grip made from polyamide

Technical data

Input voltage	230VAC, 24VAC/DC
Light source	1x20W LED
Luminous flux	1500lm
Service life	> 50,000h
Protection category	IP65
Protection class	III when operated at safety low voltage
Housing and reflector	Aluminium
Cover	Non-shatter safety glass
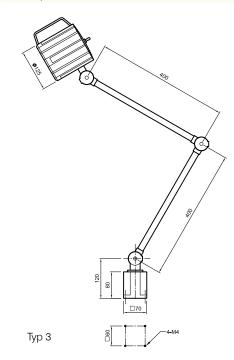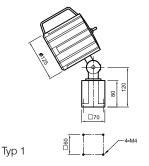
Item no.	Description
283110	Type 1 24VAC/DC
283112	Type 3 24VAC/DC
283113	Type 1 230VAC
283115	Type 3 230VAC
Accessories / spare parts	
284022	Screw-on magnetic foot
236643	Spare switch
236644	Protective cap for switch
274951	Type 3 joint stand
236641	Clear replacement glass
251620	Glare restriction louvre, black plastic
245361	Handle
285456	Screw-on clamp
236645	Sealing ring for front pane
282898	20W LED head
282899	230VAC electronics
282900	24VAC/DC electronics

Typ 1

Typ 3

With connecting cable on request

SpotLED FLEX
Workstation LED spotlight

The SpotLED FLEX work light guarantees excellent visibility in every situation; it is a highly effective, small and compact light source, safe and convenient, providing light on an as-needed basis for every illumination task and offering energy-efficient, long-lasting lighting for the specific workplace thanks to state-of-the-art LED technology.

Product features

- Extremely sturdy, can rotate and swivel, vibration-resistant
- Housing with cooling fins for optimised heat dissipation
- Flexible tube and adapter made from steel, black coated
- Clip made from stainless steel V2A, powder-coated
- Can be supplied as a wide or broad beam

Technical data

Input voltage		12-30VDC
		or via mains unit 230VAC, 24VDC
		(also available in 24VAC on request)
Power supply	24VDC	500mA
	12VDC	950mA
Light source		5x3W PowerLEDs
Light colour		6350-7000K
Beam angle		Spot 10°
		Medium 38°
Protection category		IP54 (without connector power supply)
Protection class		III
Temperature operating range		-30°C to +45°C
Surface temperature:		max. 55°C
Housing		Aluminium die casting, black coated
Weight		500g
Dimensions (WxHxD)		108x67x82mm (light)

Item no.	Description	Manage-ment	Connector pow-er supply	Flexible tube
275211	Spot	-	-	200mm
275214	Spot	-	-	300mm
275215	Spot	-	-	400mm
275595	Spot	-	-	600mm
275216	Medium	-	-	200mm
275217	Medium	-	-	300mm
275218	Medium	-	-	400mm
275596	Medium	-	-	600mm
275516	Spot	1.6m	230V	200mm
275517	Spot	1.6m	230V	300mm
275518	Spot	1.6m	230V	400mm
275718	Spot	1.6m	230V	600mm
275519	Medium	1.6m	230V	200mm
275520	Medium	1.6m	230V	300mm
275522	Medium	1.6m	230V	400mm
275719	Medium	1.6m	230V	600mm
Accessories				
275540	230VAC/24VDC plug-in power supply with 1.6m, 2x0.5mm² (PUR cable) connecting cable			
275523	Round magnetic clamp, diameter 86 x 20 mm, force 540 N incl. M6 fastening screw			
270923	PC transparent safety glass for SpotLED Flex			
270922	Safety grille V2A			

Round magnetic clamp

Plug-in power supply with connecting cable

PC transparent safety glass

Safety grille V2A

Other designs available upon request.

Workstation lights

LED laboratory light

This linear object lighting is ideal for illuminating workstations. The flat description means that the LED laboratory light fits into its surroundings perfectly. The LED modules are energy-efficient and have a long service life.

Product features

- High light yield
- Various attachment and under-mounting options available
- Extra-flat description
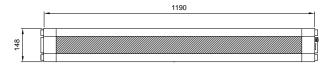
Technical data

Input voltage	230VAC / 50Hz
Light source	3 LED modules on EBU
System power	40W at cos(phi) 0.84
Luminous flux	1020 Lux at 1m
Protection class	I, protective earth, incl. potential equalisation
Protection category	IP54
Weight	2.5kg
Dimensions (WxHxD))	1220(1190)x148x30mm

Item no.	Description
278593	LED laboratory light 230VAC

FlutLED 30W / 50W low-voltage 42V LED floodlight

Good visibility for safety at work in all situations. The right light source, safe and convenient, provides light on an as-needed basis for every illumination task and offers energy-efficient, long-lasting lighting in commercial situations, industry and applications both indoors and outdoors.

Product features

- Full light flux available immediately
- Low energy consumption with a high light yield
- Minimal temperature development
- Extremely switching-resistant (> 1 million)
- Maintenance-free, insensitive to shock and vibration
- No UV / IR-radiation

Technical data

Input voltage	42VAC
Light source	LED
System power	30W / 50W
System efficiency	>80lm/W
Light colour	5500K
Service life	>50,000h
Protection category	IP65
Protection class	III
Temperature of operating range	-40°C to +55°C
Housing	Aluminium
Housing colour	Silver-grey
Cover	5mm safety glass
Weight	2.3kg / 3.3kg
Dimensions (L x W x H)	30W 225x185x125mm
	50W 290x236x153mm

Item no.	Description	Supply cable	Plug
270617	42V/30W LED	-	-
271089	42V/30W LED	5m	CEE 42V/2P
271090	42V/30W LED	10m	CEE 42V/2P
270616	42V/50W LED	-	-
271080	42V/50W LED	5m	CEE 42V/2P
270641	42V/50W LED	10m	CEE 42V/2P
Accessories			
275245	Special clip for stand mounting for FlutLED 30W*		
275241	Special clip for stand mounting for FlutLED 50 W*		

*Special clip for wider swivel range of the lights when used with stands

Special clip for
stand mounting

Floodlights

AlphaLUXX LED Floodlights
General

AlphaLUXX 80-120

AlphaLUXX 25-60

5 years warranty

The AlphaLUXX floodlights are made in Germany. During the development, great emphasis was placed on the quality of the components, coupled with excellent efficiency and state-of-the-art technology.
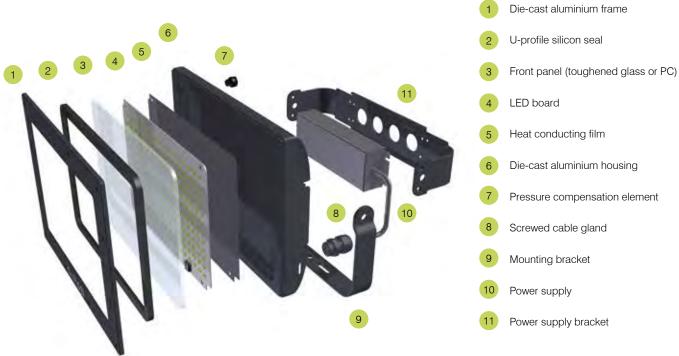
Short response times at the Neuss production plant are guaranteed, meaning we are able meet customer requirements promptly in terms of different outputs and front panels, various cable lengths and special colour descriptions.

✓ **Made in Germany**
✓ **Revolutionary PTFE surface coating**
✓ **Optional as vibration-proof version**
✓ **Suitable for use in industrial premises with fire hazards (D rating label)**
✓ **Approved for the food industry (according to IFS) 5 years warranty**

Product features

- Robust housing made of corrosion-resistant die-cast aluminium
- Dirt-resistant PTFE surface coating, approved for the food industry
- Toughened safety glass (ESG) or impact resistant plastic cover (PC)
- Custom-made U-profile seal surrounding all sides
- Custom-made, durable, heat-conducting film for lasting, reliable dissipation of heat from the LED board
- Low heat generation thanks to the latest LED technology
- Pressure compensation element for extreme temperature fluctuations
- Full luminous flux is available instantly after switching on
- Low energy consumption with high light output
- Maintenance-free
- Wide operating temperature range (up to 60°C)
- No UV/IR-radiation
- Vibration-resistant
- Accessories available from stock

Construction

No.	Description
1	Die-cast aluminium frame
2	U-profile silicon seal
3	Front panel (toughened glass or PC)
4	LED board
5	Heat conducting film
6	Die-cast aluminium housing
7	Pressure compensation element
8	Screwed cable gland
9	Mounting bracket
10	Power supply
11	Power supply bracket

AlphaLUXX LED Floodlights
General

Development Approach

This development is based on the need to manufacture a floodlight which merits the **MADE IN GERMANY** mark of excellence, in terms of performance and quality. With the AlphaLUXX, GIFAS has succeeded in developing a competitive LED floodlight that satisfies the highest demands and can also be used in challenging industrial sectors (for example, the food industry).

LED

The AlphaLUXX uses exclusively **high-end SMD LEDs f**rom reputable manufacturers, which are ideal in terms of light quality, lifespan, light colour and efficiency. The neutral, white 5000K light and the good colour rendering index of over R_a 80, match the maximum human vision in daylight and as a result the best resolution of detail.

Surface coating

Industrial lights often have problems with dirt gathering on the surface and the associated reduction in cooling capability. The **PTFE surface coating (coll. Teflon®)** on the AlphaLUXX has a very low friction coefficient. Dust and dirt literally „bead" off the light. Even harsh acids cannot attack a PTFE coating. Improved thermal conductivity results from the four-times thinner PTFE coating, in comparison with powder coating.

Technology

The **AlphaLUXX** impresses with the enormous **efficiency of up to 167 lumens per watt**. Also available as a dimmable version.

Thermal management

Efficient cooling is crucial to the longevity of the LEDs and ultimately affects the whole lighting system. In order to achieve this on a long-term basis for the AlphaLUXX, several technical components have been used for optimum thermal management. These include a heat sink (housing with cooling fins) made of highly thermo-conductive die-cast aluminium, a PTFE surface with a very thin coating and heat conducting film for optimum connection of the contact areas. We can therefore ensure an **operating temperature range of up to 60° Celsius.**

Quality

The components are selected according to the highest quality standards. High-alloy, corrosion-resistant aluminium housing (230D), stainless steel installation material (V4A), LEDs and electronics from reputable manufacturers (Seoul Semiconductor and Meanwell). Individual testing of every light in accordance with DIN EN 60598-1, certified according to ENEC. The specific coordination of the technical components attains a **service life of 80,000 hours**.

Floodlights

AlphaLUXX 25-60
LED Floodlights

IK10*

*for version with PC cover

The AlphaLUXX 25-60 is the practical version for mobile use and convinces with its quality, performance and handling.

Technical data

Input voltage	100-277 VAC (50/60Hz)
Light source	SMD-LEDs
Version	25 / 40 / 60
System performance	25W / 40W / 60W
Lighting current	3550lm / 5500lm / 7800lm
System Efficiency	142lm/W / 138lm/W / 130lm/W
Light colour	5000K
Beam angle	120°
CRI	Ra >80
Operating life	[L70/B10] > 80,000h
Protection category	IP65
Protection class	I
Shock resistance	IK10 (Version: PC cover)
Light control	optional 1~10V dimming
	optional DALI interface
Operating range	
of temperature	25W -30°C bis +60°C
	40W -30°C bis +55°C
	60W -30°C bis +50°C
Max. surface temperature	+90°C (suitable for use in industrial premises with fire hazards), D rating label
Housing	Die-cast aluminium, alloy 230D
Housing surface	PTFE-coated (approved for the food industry)
Housing colour	black (other colours also available)
Cover	3mm PC clear, optional 3mm PC satin finish or 3mm ESG clear or satin finish
Weight	approx. 2,7kg
Measurements (LxWxH)	289x176x85.5mm
Certification	ENEC, CE, IK10 (suitable for food industry)
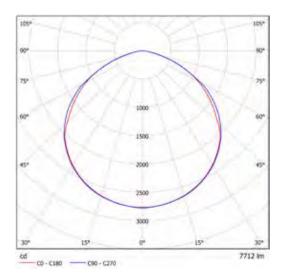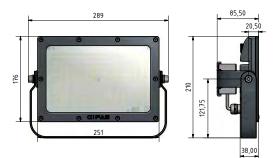
Item No.	Description
800083	AlphaLUXX/W25V230/PC clear
800075	AlphaLUXX/W40V230/PC clear
800084	AlphaLUXX/W60V230/PC clear
290777	Connecting cable 5m H07RN-F H07RN-F 3x1.5mm² with protective contact plug and cable connector

Light distribution / Measurements

Light control
- optional 1-10V dimming
- optional DALI interface

AlphaLUXX 80-120
LED Floodlights

The AlphaLUXX 80-120 boasts impressive efficiency and ist also available as a dimmable version.

Technical data
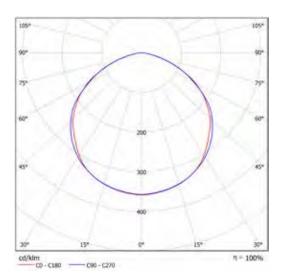
Input voltage	100-277 VAC (50/60Hz)
Light source	SMD-LEDs
Version	80 / 100 / 120
System performance	86W / 111W / 128W
Lighting current	12800lm / 16500lm / 18700lm
System Efficiency	149lm/W / 149lm/W / 146lm/W
Light colour	5000K
Beam angle	120°
CRI	Ra >80
Operating life	[L70/B10] >80,000h
Protection category	IP65
Protection class	I
Light control	optional 1~10V dimming optional DALI interface
Operating range of temperature	80W -30°C bis +60°C 100W -30°C bis +55°C 120W -30°C bis +50°C
Max. surface temperature	+90°C (suitable for use in industrial premises with fire hazards), D rating label
Housing	Die-cast aluminium, alloy 230D
Housing surface	PTFE-coated
Housing colour	black (other colours also available)
Cover	5mm ESG clear, optional 5mm ESG satin finish or 5mm PC clear or satin finish
Weight	approx. 7.0kg
Measurements (LxWxH)	389x252x106.5mm
Certification	ENEC, CE

Item No.	Description
800049	AlphaLUXX/W80V230/ESG clear
800048	AlphaLUXX/W100V230/ESG clear
800043	AlphaLUXX/W120V230/ESG clear
290777	Connecting cable 5m H07RN-F H07RN-F 3x1.5mm² with protective contact plug and cable connector

Light distribution / Measurements

!
Light control
- optional 1-10V dimming
- optional DALI interface

Spotlights

SpotLED 24
LED Spotlights

The powerful and energy-efficient SpotLEDspotlights with state-of-the-art LED technology offer extensive usage options for outdoor and indoor lighting. The housing material (cast aluminium) can be combined individually with other components (LED, lenses, colours) and can be used for a variety of lighting purposes.

The spotlight has a maximum swivel angle of 165°. The SpotLED is supplied as standard with a clip which can be used for wall mounting. Whether it be outdoors on transport or working vehicles (construction, agriculture, cleaning, waste disposal, snow equipment) or in gardens and on façades, the SpotLED casts everything in a favourable light. Indoors too, there are a wealth of possible uses in rooms and workstations.

Product features

- Vibration-resistant
- Housing with cooling fins for optimised heat dissipation
- Housing available in white, silver-grey, black
- Clip made from stainless steel V2A, powder-coated
- Various beam angles available (different lenses)
- Connection via potentiometer possible for brightness adjustment (500kOhm, positive logarithm)

Technical data

Input voltage		12-30VDC or 24VDC via 230VAC power supply unit
Power supply	24VDC	500mA
	12VDC	950mA
Light source		5x3W Power LEDs
Light colour		6350 - 7000K
		2800 - 3200K
		Alternative colour filter red/green/yellow
Beam angle		Spot 10°
		Medium 38°
		Wide 67°
Protection category		IP66
Protection class		III
Temperature operating range		-10°C to +45°C
Surface temperature		max. 55°C
Housing		Die-cast aluminium
Weight		350g
Dimensions (WxHxD)		108x67x82mm

Connecting socket Item no.	Fixed connection 5m Item no.	Description	Housing colour	Light colour in K
268315	267779	Spot	white	cool white
268309	267780	Spot	silver-grey	cool white
268312	267781	Spot	black	cool white
268308	267966	Medium	silver-grey	cool white
268314	267964	Medium	white	cool white
268311	267967	Medium	black	cool white
281928	281922	Wide	black	cool white
281929	281923	Wide	silver-grey	cool white
281930	281924	Wide	white	cool white
270954	270955	Spot	black	warm white
270950	270951	Spot	white	warm white
270952	270953	Spot	silver-grey	warm white
270934	270935	Medium	silver-grey	warm white
270930	270933	Medium	white	warm white
270936	270937	Medium	black	warm white
281931	281925	Wide	black	warm white
281932	281926	Wide	silver-grey	warm white
281933	281927	Wide	white	warm white

24VDC voltage supply, direct connection
or via 230V power supply

Accessories	
270922	Safety grille V2A
270923	Safety glass PC transparent
268167	Colour filter set: 3 colour filter attachments in red, green and yellow
278055	Earth spike
268322	Plug for cigarette light, 5m cable, for junction box description
267963	Connector power supply for junction box description
On request	3 x 0.5mm² control cable, without PE, numbered, diameter 5.2mm
On request	Straight flange socket for junction box 3P, IP67 with 0.2m wire
268321	Connector with 5 m cable for description with junction box
270489	Magnetic clamp, force 180N
267765	Star grip
267829	Power supply 1-phase 1.1 A / 25W, 230 / 24 VDC
267828	Power supply 1-phase 2.2 A / 50W, 230 / 24 VDC

Housing with cooling fins: for optimum cooling

Mounting bracket made of stainless steel, powder-coated

Safety glass from polycarbonate (easy to exchange)

Locking screw (Optional star knob)

Other designs available upon request.

SpotLED 24
Accessories

Safety grille V2AItem no. 270922
PC transparent safety glass for SpotLED Item no. 270923

12 VDC charging cable with 5m cable 2 x 0.5mm², socket angled for cigarette lighter Item no. 268322
230/24 VDC plug-in power supply with 1.8m cable and angled coupling for rated power of max. 24 W Item no. 267963

Colour filter attachments, set of 3, green, red, yellow Item no. 268167

3 x 0.5mm² control cable, without PE, numbered, diameter 5.2mm
Item no. on request
Straight flange socket for junction box 3P, IP67, with 0.2m wire
Item no. on request

Earth spike for SpotLED Item no. 278055

Connecting cable 5m black, angled with socket
3P, IP67, 3 x 0.25mm²Item no. 268321

with built-in
junction box

with fixed connection
Cable 3x0.5mm², length 5m

Spotlights

SpotLED 230
LED Spotlights

Whether it be homes or advertising spaces, the SpotLED 230 put the spotlight superbly on your property. The SpotLED 230 requires less than 30 Watt to bathe its surroundings in gleaming light. This incredible efficiency is made possible through the use of 8 Power LEDs as the illuminant. The LED spotlight is mounted in a stable clip. It can be swivelled and secured in place with 2 screws. These spotlights are also ideal in combination with movement sensors. The large cooling fins on the back of the spotlight ensure optimum cooling.

Product features

- Housing made from die-cast aluminium with cooling fins
- Housing colour silver-grey
- Optimised heat dissipation
- Overheating protection
- Mounting clip made from stainless steel, powder-coated, pivotable

Technical data

Input voltage	230VAC
Power supply	120mA
Light source	8x3W Power LEDs
Light colour	2800-3300K
	3700-4300K
	5700-7000K
Beam angle	Spot 10°
	Medium 38°
	Wide 67°
Protection category	IP66
Protection class	I
Temperature operating range	-10°C to +45°C
Housing	Die-cast aluminium
Surface temperature	< 50°C
Weight	1000g
Dimensions (WxHxD)	170x89x105mm

Over temperature protection

Temperature of the LEDs is monitored. If temperature reaches a specified maximum LED temperature, brightness will be automatically reduced. If temperature decreases under the maximum specified LED temperature brightness will be adjusted to the set value.

Dimming

The spotlight can be dimmed with most of common phase angle control dimmers.

Light Colours

Standard light colours are cool white (approx. 6'000 K), comfort white (approx. 4'000 K) and warm white (approx. 3'000 K).

Optics

3 different, optics Spot, Medium and Wide are available.

Item no.	Description	Light colour	Cable gland/ dummy plug
860200	Spot	warm white	M16/1x
860201	Medium	warm white	M16/1x
860202	Wide	warm white	M16/1x
860206	Spot	comfort white	M16/1x
860203	Medium	comfort white	M16/1x
860207	Wide	comfort white	M16/1x
860204	Spot	cool white	M16/1x
860205	Medium	cool white	M16/1x
860186	Wide	cool white	M16/1x
Accessories			
273854	Compl. standing clip incl. 2 wing screws, 2 spacers and 6 clip protectors		
273855	M5 x 25 mm wing screw (2 x required)		
273856	Clip protector (6 x required)		
278055	Earth spike		

With connecting cable on request.

SpotLED 230
Accessories

Clip guard, Item no. 273856

Variable positions from 0° to 90° with fixed mounting

0°

30°

-90°
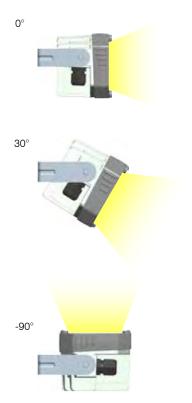
standing clip, Item no. 273854

Earth spike Item no. 278055

Portable work light - FlashLED / TorchLED / 911 LED

FlashLED - Illumination scene of accident

FlashLED - Use for maintenance work

TorchLED - torch emergency light in construction site distributor

TorchLED - with belt bag

911 LED Halogen hand-held floodlight - Location packaging industry

Portable work light - PrimaLED / MULTI / NovaLED

PrimaLED - Lighting maintenance system
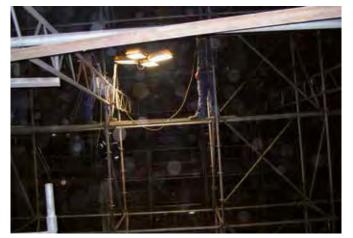
PrimaLED - Tunnel illumination

MULTI - Place of use: Goods acceptance

MULTI - Workplace illumination

NovaLED - Use for maintenance work

NovaLED - Path lighting

GIFAS
ELECTRIC

Portable work light - ApolloLED2 / ApolloLED ECO

Application site: Forestry and tree care

In use for forestry work

Tank illumination

Ideal for use underground

Location Schluchseewerk

Portable work light - ApolloLED2 / ApolloLED ECO

Portable work light - ApolloLED2 / ApolloLED ECO

Construction site illumination

1,000 metres underground

Location Power plant

Location municipal utility, deacidification plant

Installation on a plant fire engine

Industrial lights - ceiling light / protected tube light

Maintenance floor lighting, food industry

Underpass street lighting

Ice cave illumination

Underground car park lighting

Workstation lights - MasterLED / SpotLED FLEX / LED laboratory light

MasterLED - Workplace illumination, power plant

MasterLED - Workplace illumination, power plant

SpotLED FLEX - Illumination aluminium press

SpotLED FLEX - Illumination aluminium press

LED laboratory light - Workplace illumination

LED laboratory light - Workplace illumination

Floodlights - FlutLED / AlphaLUXX

Facade lighting

High bay lighting, waste disposal industry

Location Logistics

Location Underground

Illumination water basin

Floodlights - FlutLED / AlphaLUXX

Location materials industry

High bay lighting

Illumination industrial plant

Machine lighting

Machine illumination paper industry

GIFAS
ELECTRIC

Spotlights - SpotLED

In use at a corrugated cardboard factory

In use at a corrugated cardboard factory

Company sign illumination

In use on a hot steel moulding machine, automotive supplier industry

Excavator lighting

Machine lighting

GIFAS live experience!

How it works

Download the GIFAS Augmented Reality App free for your smartphone or tablet. Then scan the picture that you can see below - the so-called marker - with the GIFAS app. You are now able to look at the product that you have selected from various angles and all sides. Enjoy your 3D tour!

Instructions

The GIFAS app has been developed for use on modern tablets and smartphones using both Apple iOS and Android operating systems. Older devices and software may experience some limitations in their functionality. Due to the larger display size, the app's features are generally at their best on a tablet.

Tip

If you need to place your tablet or smartphone very close to the marker for it to be detected, this may be because there isn't enough light. How it's done: First, point the camera at the marker at close range. Once the app has captured the marker and constructed the 3D model, you can slowly move the device away from the marker - up to a distance of 3 metres. Keep the phone or tablet as still as possible.

Download the GIFAS app here

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Construction industry

Public sector

Industrial sector

Transportation

Safety equipment

Technical lighting

Online products available at www.gifas.de/en

Find the suitable product solution for you on our website and read all the latest news about our products.

MORE THAN JUST
A SIDE ISSUE.

GIFAS linear lighting and handrail systems ensure efficient LED lighting and make your property a real eye-catcher. More visibility and safety that makes passers-by feel happier on public walkways is just one of the advantages that come with the wall, ceiling and handrail lighting from GIFAS.

LaneLED INOX42

LaneLED INOX linear lighting

Handrail system

LED-equipped handrails for outdoor and indoor applications (balcony handrails, stairway handrails and terrace handrails) which can very easily be assembled on classic handrail posts using special pipe sections. The pipe brackets and adapters allow an inner cable guide with the GIFAS-developed connection cabling. All metal components are V4A-quality, with a protection class of IP67.
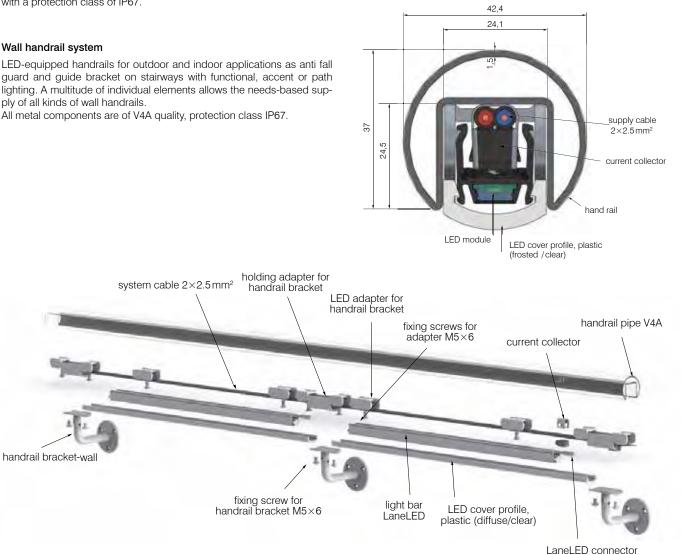
Wall handrail system

LED-equipped handrails for outdoor and indoor applications as anti fall guard and guide bracket on stairways with functional, accent or path lighting. A multitude of individual elements allows the needs-based supply of all kinds of wall handrails.
All metal components are of V4A quality, protection class IP67.
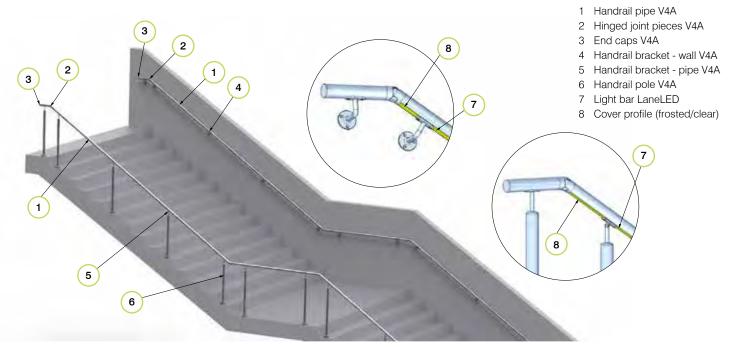
Handrail LaneLED INOX42

The GIFAS handrail profile is the carrier element for the LaneLED INOX42. The profile and the various fastening and connecting items are designed and coordinated in a way that ensures the electric supply with the cable.

LaneLED INOX linear lighting

1 Handrail pipe V4A
2 Hinged joint pieces V4A
3 End caps V4A
4 Handrail bracket - wall V4A
5 Handrail bracket - pipe V4A
6 Handrail pole V4A
7 Light bar LaneLED
8 Cover profile (frosted/clear)

LaneLED INOX

The LaneLED light bar from GIFAS is the base element for the illuminated «Handrail Lighting System». The appropriate type is selected depending on the requirements of the operator, whereas the desired lighting strength is the most important specification. The other parameters of the LaneLED are carefully defined.

– Light colour: ∼ 4400 K / ∼ 5500 K
– Beam angle: 120°
– Protection class: IP67

Current collector

Each individual LaneLED is connected to the power supply via the current collector and is freely attachable to the flat cable 2×2.5 mm².
The connection socket serves as the interface to the current collector and the connection cable with plug of the LaneLED (IP67 connection).

System components power supply

The electric power supply of the LaneLED light bar is ensured through power supplies that are individually installed into the main or sub-distribution or that are directly built into the housing on site. (housing hard rubber or in polycarbonate housing)
The supply voltage is 19-32VDC and it is generated with a power pack 230V – different output sizes are available! (In each case depending on the total lighting length and the performance of the desired LED light output).
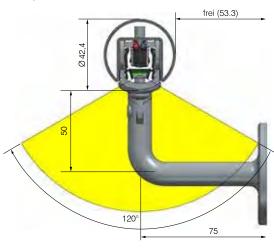
Applications

– Underpasses and overpasses in railway stations
– Escape route and emergency staircases
– Decorative applications in office or exhibition wings
– Hospitals and nursing homes
– Schools and day care centres
– Shopping and meeting areas
– Hotels and restaurants
– Staircases

Illumination

Cone of light when in use with the LaneLED INOX42 hand rail:

frei (53.3)
Ø 42,4
50
120°
75

Basis

LaneLED in a hand rail at a height of 80 cm across a 2 m wide staircase provide the following values with regard to their lighting strength.

LaneLED linear lighting Typ 11, IP67, 4000/ 5500 K, 19 - 32 VDC

LED	Power	Length	Luminous flux	Illuminance 95 cm
6	80 mA	190 mm	100 lm	330 lx
18	240 mA	560 mm	300 lm	330 lx
30	400 mA	928 mm	500 lm	330 lx
48	640 mA	1482 mm	800 lm	330 lx

Maximum length with LaneLED type 11 to 50 m per 24V DC infeed is possible.

LaneLED WALL

LaneLED WALL

LaneLED WALL – universally applicable surface mounted LED lighting for diverse applications
LaneLED WALL is a complete system that is easy to assemble. The range of applications is very diverse.

The main feature of LaneLED WALL is its compact and small structure und the excellent luminous efficiency. Installation and assembly are carried out in tight spaces - wherever there is little space available. The smallest possible dimensions, and an inconspicuous installation as a result. LaneLED WALL is mounted on the wall or the ceiling. The mounting dependent on the situation. The installation can also be carried out in niches.

Your advantages

– Simple and fast assembly thanks to the practical clicking/connection system
– Replacement of a LaneLED light bar in 2 minutes
– Flame-retardent, halogen-free and self-extinguishing
– Optional half-redundancy
– LED light colours white (standard 4400K) and green (528mm)
– Various lighting options thanks to different LED light bars
– Optimised for maintenance because of plug-in/click-in-system
– Individual and project-related consultation
– Comprehensive support with light voltage drop calculations and planning documents
– High-quality, long-lasting materials
– Safe system operation due to safety-low voltage
– Vandal-proof execution possible (by use of appropriate components)
– Variable lighting thanks to the optional dimming function
– Failure monitoring when switched-off (optional cold conductor monitoring possible)
– Long segments even possible for high light outputs

=
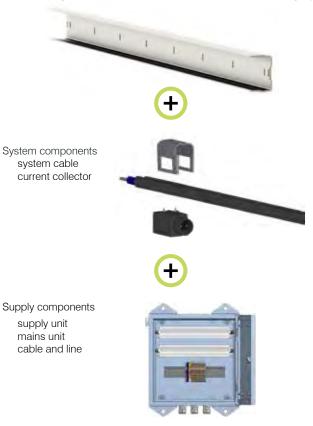
Lighting components
LaneLED light bar in special plastic profile, incl. electrical supply

+

Mechanical components
wall mounting, bracket and accessories V4A, connector and angle parts

+

System components
system cable
current collector

+

Supply components
supply unit
mains unit
cable and line

LaneLED WALL

LaneLED

The light bar LaneLED is the base element for the illuminated handrails LaneLED GFK and LaneLED WALL. The appropriate type is selected depending on the requirements of the operator, whereas the desired average luminance is the most important specification. The other parameters of the LaneLED are carefully defined.

Light colour: 4400 K (3000 K or 5800 K on request)
Beam angle: 120°
Protection class: IP69K

Composition of the light bar LaneLED

The carrier profile of the LaneLED WALL light bar consists of a special synthetic profile with special characteristics for mechanical and chemical strains.
A flexible and separable LED strip is inserted from below and incorporated into the profile with 2K casting compound. The encapsulation leads to the high protection class of IP69K.
There is room for the cable guide and the current collector in the upper part of the profile (in between the flanks).

The light bar LaneLED completely ready for connection (pluggable), not including assembly materials (system cable and current collector).

Current collector type SNAP

Each individual LaneLED is connected to the power supply via the current collector and is freely attachable to the flat cable $2 \times 2.5\,mm^2$ (crimping tool for current collector).

Power supply
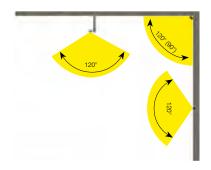
The electric power supply of the LaneLED light bar is ensured through power supplies that are individually installed into the main or sub-distribution or that are directly built into the housing on site. (housing in hard rubber, polycarbonate or steel)
The supply of 21-32 VDC (nominal power 24VDC) is usually provided by a power supply 230 VAC – different output sizes are available! (In each case depending on the total lighting length and the performance of the desired LED light output).

According to customer requirements, the power supply can also be installed anywhere in a distributor or in a socket.
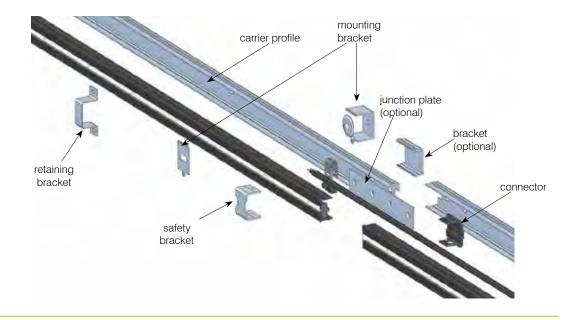
Illumination

Light cone with radiation 120°. Illumination depending on placement.

Applications

– Emergency exit illumination in road, metro and railway tunnels
– Train stations, waiting halls or shelters
– General illumination of railway stations, waiting halls or shelters
– Emergency escape route lighting in metro and railway tunnel
– Marking of emergency exits (green LaneLED)
– Ceiling mounting for power station, cavern tunnels and escape and working tunnels with low headroom
– Bridge illumination
– Walkway illumination

LaneLED INOX42

Access city centre, Crans Montana

Health centre, Stein

Pedestrian bridge, Wecker

Bahnhof, Sembranch

Pedestrian bridge, Wecker

LaneLED INOX42

Hospital, Erlangen

Swimming park. St. Gallen

Hospital, Erlangen
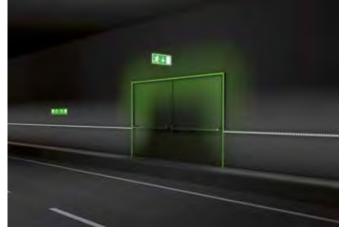
Cemetery access, Glis

Museum Charlie Chaplin

LaneLED WALL
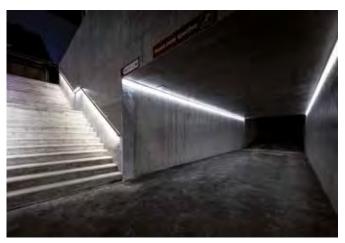
Road tunnels, signalling of escape routes

Station handling and waiting area

Bicycle, pedestrian and driveway lighting

Railway station, Sembranch
(Underpass: LaneLED WALL, Stairs: LaneLED INOX42)

Ceiling lighting for railway station

LaneLED WALL

Railway station, Sembranch
(Underpass: LaneLED WALL, Stairs: LaneLED INOX42)

Parking garage, Troistorrents

Footbridge, Brügg

Cycle path lighting, Ittigen

Production LaneLED WALL, GIFAS

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Public sector
Industrial sector

Linear lighting
Handrail systems

**Online products available
at www.gifas.de/en**
Find the suitable product
solution for you on our
website and read all the
latest news about our
products.

WORKING IN THE BEST LIGHT.

Durable, sturdy and with low energy consumption: This is what distinguishes modern hall/arena lighting and is exactly where GIFAS comes in with its lighting range. Particular environmental conditions regarding harsh temperatures, excess dirt and dust are often very demanding. We are prepared for such cases and our hall spotlights are designed and engineered with this in mind.

DeltaLUXX

DeltaLUXX LED high bay lighting
General

5 years warranty

The flexible high bay lighting of GIFAS offer an impressive design and provides a variety of functions. The efficient thermal management of these High Bay lights, which ensures adequate cooling even in dust and dirt-prone environments, supports the modern and efficient LED technology used, with its lifespan of at least 80,000 hours. Thanks to optional DALI and 1-10V dimmer interfaces, the DeltaLUXX models can be integrated into intelligent lighting systems.

Thanks to high-performance LEDs, the DeltaLUXX boast superlative lighting efficiency, especially in hard-to-illuminate areas with high-up lighting installations. With an external diameter of 450 millimetres, 180 high-end LEDs and high-quality individual single lenses with various beam characteristics, they can be used in halls up to 25 metres in height.

With their cast aluminium housing, special PTFE non-stick coating for minimum dust and dirt build-up, a pressure equalisation membrane and the use of sturdy polycarbonate panes with increased shatter protection or single-pane safety glass, the DeltaLUXX delivers reliable performance in environmental temperatures of up to 60° Celsius.

DeltaLUXX impresses with its modern, industrial design and sleek shapes.

✓ **Made in Germany**
✓ **For applications with high light points**
✓ **Sleek, modern industrial design**
✓ **Optional with optics for a wide range of applications**
✓ **Suitable for use in industrial premises with fire hazards (D rating label)**
✓ **Approved for the food industry (according to IFS)**

Construction

1	Die-cast aluminium frame
2	U-profile silicon seal
3	Front panel (PC or toughened glass)
4	Optic
5	LED board
6	Heat conducting film
7	Die-cast aluminium housing
8	Cable gland with pressure compensation function
9	Power supply
10	Power supply bracket
11	Mounting bracket

DeltaLUXX LED high bay lighting
Characteristics

Development Approach
This development is based on the need to manufacture a High Bay lighting which merits the **MADE IN GERMANY** mark of excellence, in terms of performance and quality. With the DeltaLUXX, GIFAS has succeeded in developing a competitive LED High Bay lighting that satisfies the highest demands and can also be used in challenging industrial sectors.

LED-Technology
The DeltaLUXX uses exclusively **high-end SMD LEDs f**rom reputable manufacturers, which are ideal in terms of light quality, lifespan, light colour and efficiency. For efficient light distribution high-quality optics are installed. The neutral, white 5000K light and the good colour rendering index of over R_a 80, match the maximum human vision in daylight and as a result the best resolution of detail.

Surface coating
Industrial lights often have problems with dirt gathering on the surface and the associated reduction in cooling capability. The **PTFE surface coating (coll. Teflon®)** on the AlphaLUXX has a very low friction coefficient. Dust and dirt literally „bead" off the light. Even harsh acids cannot attack a PTFE coating. Improved thermal conductivity results from the four-times thinner PTFE coating, in comparison with powder coating.

Technical design
The DeltaLUXX impresses with **enormous system efficiency and high lighting quality.** Through optional DALI and 1-10V dimming interfaces, the luminaire can be integrated into intelligent lighting systems.

Thermal management
Efficient cooling is essential for the LEDs' long service life and ultimately affects the entire lighting system. To achieve this long-term for DeltaLUXX, high-quality technical components were combined with a sophisticated design. The external open ring ensures dissipation of the heat generated, even with high levels of dirt. The design, coupled with an extra-thin coating and heat conduction foil to ensure maximum contact between surfaces, delivers an ambient **operating temperature range of up to 60° Celsius and a lifespan of at least 80,000 hours**.

Quality
The components are selected according to the highest quality standards. High-alloy, corrosion-resistant aluminium housing (230D), stainless steel installation material (V4A), LEDs and electronics from reputable manufacturers. **Individual testing of every light in accordance with DIN EN 60598-1, certified according to ENEC.**

DeltaLUXX

DeltaLUXX LED high bay lighting
Technical data

Light control
- optional 1 - 10V dimming
- optional DALI interface
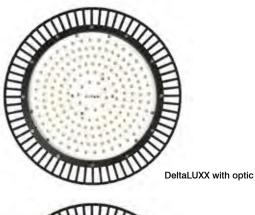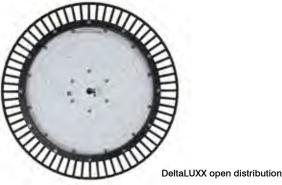
◆ ⬥ ⚠ ⚠ ▽ C E Ⓣ **IK08***

*for versions with PC cover

Product features

- Robust housing made of corrosion-resistant die-cast aluminium
- Dirt-resistant PTFE surface coating, approved for the food industry
- 3mm impact resistant plastic cover (PC) or
  3mm toughened safety glass (ESG)
- Custom-made U-profile seal surrounding all sides
- Custom-made, durable, heat-conducting film for lasting,
  reliable dissipation of heat from the LED board
- Low heat generation thanks to the latest LED technology
- Pressure compensation element for extreme temperature fluctuations
- Full luminous flux is available instantly after switching on
- Low energy consumption with high light output
- Maintenance-free
- Wide operating temperature range (up to 60°C)
- No UV/IR-radiation
- Vibration-resistant
- Accessories available from stock
- Various directional characteristics available

Technical data

Input voltage	100-277VAC (50/60Hz)
Light source	SMD-LEDs
System performance	164W / 215W / 264W
Lighting current	22400lm / 28100lm / 32400lm
System Efficiency	137lm/W / 131lm/W / 123lm/W
Light colour	5000K
CRI-Index	Ra >80
Beam angle	open distribution (120°), wide+ (~75°), wide (~50°), medium (~30°), narrow (~20°)
Operating life	[L70/B10] > 80000h
Protection category	IP65
Protection class	I
Shock resistance	IK08 (Version: PC cover)
Operating range of temperature	150W -30°C to +60°C
	200W -30°C to +55°C
	240W -30°C to +50°C
Max. surface temperature	+90°C (suitable for use in industrial premises with fire hazards), D rating label
Housing	Die-cast aluminium
Housing surface	PTFE-coated (approved for the food industry)
Housing colour	black
Cover	3mm PC clear, optional 3mm ESG (Vision)
Weight	approx. 9.5kg
Measurements (ØxH)	450x195mm
Certification	ENEC, CB, CE, D rating label

DeltaLUXX with optic

DeltaLUXX open distribution

Abmessungen

Ø450   150

75

195

DeltaLUXX LED high bay lighting
Range / Light distribution

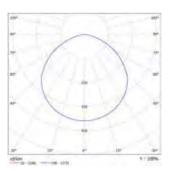| Item no.	Description
800085	DeltaLUXX/W150V230/120°/PC clear
800104	DeltaLUXX/W200V230/120°/PC clear
800105	DeltaLUXX/W240V230/120°/PC clear
800155	DeltaLUXX/W150V230/120°/ESG clear
800156	DeltaLUXX/W200V230/120°/ESG clear
800157	DeltaLUXX/W240V230/120°/ESG clear

Item no.	Description
800121	DeltaLUXX/W150V230/~75°/PC clear
800122	DeltaLUXX/W200V230/~75°/PC clear
800123	DeltaLUXX/W240V230/~75°/PC clear
800167	DeltaLUXX/W150V230/~75°/ESG clear
800168	DeltaLUXX/W200V230/~75°/ESG clear
800169	DeltaLUXX/W240V230/~75°/ESG clear

Item no.	Description
800118	DeltaLUXX/W150V230/~50°/PC clear
800119	DeltaLUXX/W200V230/~50°/PC clear
800120	DeltaLUXX/W240V230/~50°/PC clear
800164	DeltaLUXX/W150V230/~50°/ESG clear
800165	DeltaLUXX/W200V230/~50°/ESG clear
800166	DeltaLUXX/W240V230/~50°/ESG clear
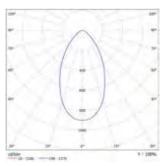
Item no.	Description
800115	DeltaLUXX/W150V230/~30°/PC clear
800116	DeltaLUXX/W200V230/~30°/PC clear
800117	DeltaLUXX/W240V230/~30°/PC clear
800161	DeltaLUXX/W150V230/~30°/ESG clear
800162	DeltaLUXX/W200V230/~30°/ESG clear
800163	DeltaLUXX/W240V230/~30°/ESG clear
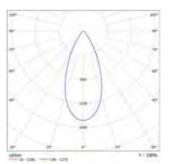
Item no.	Description
800112	DeltaLUXX/W150V230/~20°/PC clear
800113	DeltaLUXX/W200V230/~20°/PC clear
800114	DeltaLUXX/W240V230/~20°/PC clear
800158	DeltaLUXX/W150V230/~20°/ESG clear
800159	DeltaLUXX/W200V230/~20°/ESG clear
800160	DeltaLUXX/W240V230/~20°/ESG clear
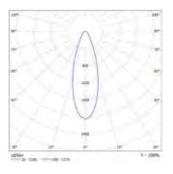
Item no.	Description
289860	DeltaLUXX.arresting cable 1,0m
286503	Cable connector 2P+PE IP68
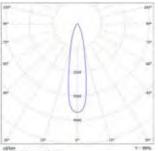
FlutLED ROUND 90

FlutLED ROUND 90 LED high bay lighting

The LED high bay lighting FlutLED ROUND provides high efficiency with consistently brightness. The high-quality die-cast aluminum heat sink and the durable powder-coated surface treatment giving out high long term reliable performance. With these LED lamps you get a high light intensity while reducing your energy costs.

Product features

- Robust housing made of corrosion-resistant die-cast aluminium
- Robust and rust-free frame (bracket or ceiling mounting)
- Low heat generation thanks to the latest LED technology
- Shockproof cover
- Shock and vibration resistant
- Energy-saving (low power consumption with high light output)
- Full luminous flux is immediately available
- Maintenance-free
- Minimum temperature development
- 1 - 10 volt dimming
- D rating label according to VDE 0711-2-24 or EN 60598-2-24
- 5 years warranty

Technical data
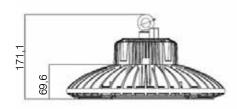
Input voltage	90-305VAC (50/60Hz)
Light source	LED
System performance	103W
Lighting current	13929 lm
Light efficiency	135lm/W
Light colours	5000K
CRI-Index	Ra >80
Beam angles	120°
Operating life	>50000h
Protection category	IP65
Protection class	I
Dimming	1 - 10V or optional DALI
Operating range of temperature	-40°C bis +50°C
Housing	made of die cast aluminum
Cover	plastic
Weight	approx. 3.6kg
Measurements (DxW)	320x171 mm
Wwarranty	5 years

Item no.	Description
800025	FlutLED ROUND 90/230VAC/103W/IP65/5000K/13929lm
800032	DALI additional module

Measurements

171.1

69.6

Ø 320

DeltaLUXX blue Crane safty lighting

The LED Spotlight DeltaLUXX blue was specially developed for the increased safety requirements when working with crane systems.

The blue warning signal has already proven itself when working with forklifts by warning other persons when it is in use. The DeltaLUXX blue also warns the employee about the crane system in use.

DeltaLUXX blue can be mounted at height of up to 20 meters, giving the user a concentrated beam of blue light with a diameter of 1 meter. The DeltaLUXX blue is designed for robust applications and withstands even temperature fluctuations from -20 ° C to + 55 ° C, the maximum surface temperature may be up to + 90 ° C.

Product features

- Robust housing made of corrosion-resistant die-cast aluminium
- Dirt-resistant PTFE surface coating, approved for the food industry
- 3mm impact resistant plastic cover (PC)
- Custom-made U-profile seal surrounding all sides
- Custom-made, durable, heat-conducting film for lasting, reliable dissipation of heat from the LED board
- Low heat generation thanks to the latest LED technology
- Full luminous flux is available instantly after switching on
- Low energy consumption with high light output
- Maintenance-free
- Wide operating temperature range (up to 60°C)
- No UV/IR-radiation
- Vibration-resistant
- Accessories available from stock
- Various directional characteristics available

Technical data

Input voltage:	100-277VAC (50/60Hz)
System power:	approx. 130W
Light source:	SMD LEDs (Seoul Semiconductor)
Wavelength:	460nm
Luminous flux:	approx. 1600lm
Beam angle:	5°
LED lifetime:	[L70/B10] > 50000h
Protection category:	IP65
Protection class:	I
Operating temperature:	-20°C to +55°C
Storage temperature:	-25°C to +70°C
Max. Surface Temperature:	+90°C (suitable for use in fire endangered operations)
Housing material:	die-cast aluminum
Housing surface:	PTFE-coated
Housing color:	black
Frontcover:	3mm polycarbonate
Cable:	30cm cable without plug (other versions on request)
Weight:	approx. 11.5kg
Dimensions (Ø x H):	450x208.5mm
Certifications:	CE
Warranty:	2 years
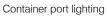
Item no.	Description
289861	DeltaLUXX blue/W130V230/5°/-
291506	DeltaLUXX blue/W130V230/5°/DIMM/- incl. dimming box

DeltaLUXX / FlutLED ROUND 90

Container port lighting

High bay lighting

Manufacturing hall

Warehouse lighting

Illumination of workstations

DeltaLUXX / FlutLED ROUND 90

Warehouse lighting

High bay lighting

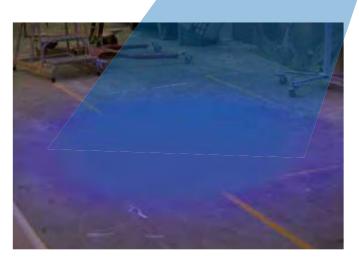Warehouse lighting

Processing hall for forklift trucks

Automotive supply industry

DeltaLUXX blue

DeltaLUXX blue

GIFAS live experience!

How it works

Download the GIFAS Augmented Reality App free for your smartphone or tablet. Then scan the picture that you can see below - the so-called marker - with the GIFAS app. You are now able to look at the product that you have selected from various angles and all sides. Enjoy your 3D tour!

Instructions

The GIFAS app has been developed for use on modern tablets and smartphones using both Apple iOS and Android operating systems. Older devices and software may experience some limitations in their functionality. Due to the larger display size, the app's features are generally at their best on a tablet.

Tip

If you need to place your tablet or smartphone very close to the marker for it to be detected, this may be because there isn't enough light. How it's done: First, point the camera at the marker at close range. Once the app has captured the marker and constructed the 3D model, you can slowly move the device away from the marker - up to a distance of 3 metres. Keep the phone or tablet as still as possible.

Download the GIFAS app here

GIFAS
ELECTRIC

WE ARE EXPERTS IN YOUR FIELD

Public sector
Industrial sector
Transportation

High bay lighting

Online products available at www.gifas.de/en

Find the suitable product solution for you on our website and read all the latest news about our products.

LIGHT MEETS EMOTION AND PRUDENCE.

They are perfect for your service road or employee car park. GIFAS products highly score with their elegant design, modern LED technology and long-lasting service life, providing great lighting for your movement area in the long run.

General

StreetLED2
engineering by **G R A H** LED LIGHTING

Automotive approach
The StreetLED2 has been developed and produced on the basis of expertise and experience gained from one of the most demanding markets - LED technology for the automotive industry. From this, key elements have been derived such as weathering conditions and production standards.

Light-emitting diodes (LEDs)
Only high-quality LEDs are used for StreetLED2 that offer an ideal configuration of efficiency, colour quality, luminance, life expectancy and no mercury or lead content (RoHS-compliant). In order to achieve the ideal balance between natural colour distribution (true colour reproduction) and the human eye at night, a colour temperature of 4000 K was chosen.

Lens
Alongside the electronic drivers and the LEDs themselves, the lens is the most important part of the system. It is responsible for the StreetLED2's extraordinarily high luminance and ensures the controlled direction of the individual rays of light to produce optimum coverage of the area being illuminated.

Light distribution
The best possible light uniformity (asymmetrical light distribution) leads to less light pollution and glare. In combination with the "full cut-off" characteristics, light pollution is reduced to around zero, preserving the night sky and allowing residents to sleep more soundly thus increasing their quality of life.

Electronics
The PCBs integrated into the StreetLED2 are specially designed and equipped with individual drivers (100 - 250 V) in order to be able to respond independently to fluctuations in voltage (brightness control). The pulse width modulation (PWM) technology used ensures an optimum state for the operation of the LED lights while at the same time significantly reducing CO_2 emissions.

Heat management
Efficient cooling is essential for the LEDs' long service life and ultimately affects the entire lighting system. In order to achieve this in the long term for the StreetLED2, extensive tests and trials have been carried out which have ultimately led to the patented AEROLITE cooling system.

Housing
As well as a modern housing design, objectives such as resistance to extreme weathering, support for key functions and protection of the vital parts of the light also need to be satisfied. StreetLED2 is the epitome of the solution fully sealed, no openings, cooling fins or ventilators. An ultra-light aluminium alloy with a multi-layer surface finish is used.

Multi-function options
StreetLED2 is street lighting for the high-tech sector with additional outstanding added value. Other options (light management via online network, WiFi wireless Internet connection, security cameras, other security Use cases, video surveillance, remote control, speed sensors, light sensors, emergency switches, etc.) are also characteristics offered by StreetLED2.

StreetLED CUBE

Design/Material
The simple, classic StreetLED CUBE is made of extruded aluminium. The castings are powder-painted and thermally machined.
The aluminium parts are guaranteed by IK10 and IP66 classes.

LED
Cree LED chips are used, with a standard performance of at least 130 lm/W at Tj = 850° C. The colour temperature is a pleasantly NEWtral white with approx. 4500 K. But street lights in warm white or pure white are also available upon request.

Optics/Light
The optical lenses of the StreetLED CUBE are manufactured according to the highest PMMA degree, with over 90% light transmission. They are UV- and ozone-resistant. By combining various quantities and positions, the lenses can satisfy the most demanding technical requirements.

Driver
The driver is designed for the entire lifetime (a minimum of 50000 h) and with numerous interesting optional features. DALI transmitter, 1-10 V dimmer or autonomous dimming system. We can offer a wireless management system or a NEMA plug with a photocell.

Auxiliary function
We can operate the LEDs with a control current of 300 mA - 700 mA, depending on the size of the lamp and the customer's requirements.

General

Type comparison

Types	StreetLED2 15	StreetLED2 30	StreetLED2 60	StreetLED2 90
	①	②	③	④
Technical data				
Number LED	15	30	60	90
Height of light spot (m)	up to 5 m	5-7 m	7-12 m	7-12 m
Pole spacing (m)	24 m (5 m)	26 m (6 m)	38 m (8 m)	37 m (9 m)
Street category	P4	P3/M5	M4	M3
Dimmable	✓	✓	✓	✓
Light colours	4000 K	4000 K	4000 K	4000 K
Variability	+/- 15° (5°-Steps)	+/- 15° (5°-Steps)	+/- 15° (5°-Steps)	+/- 15° (5°-Steps)
Area of application	For smaller roads, paths and cycle lanes, private driveways, alleyways and parking spaces.	For larger paths and cycle lanes, private areas and industrial zones.	For communal roads, crossroads, car parks and challenging open land and industrial zones.	For city roads and squares, multiple intersections, large areas and parks, large open land and industrial zones.

GIFAS
ELECTRIC

Type comparison

Types	StreetLED CUBE 12	StreetLED CUBE 24	StreetLED CUBE 48	StreetLED CUBE 72
Technical data	①	②	③	④
Number LED	12	24	48	72
Height of light spot (m)	up to 5 m	5-7 m	7-12 m	7-12 m
Pole spacing (m)	24 m (5 m)	26 m (6 m)	38 m (8 m)	38 m (10 m)
Street category	P4/M6	P3/M5	M4	M3
Dimmable	✓	✓	✓	✓
Light colours	4500 K	4500 K	4500 K	4500 K
Variability	+/- 15° (5°-Steps)	+/- 15° (5°-Steps)	+/- 15° (5°-Steps)	+/- 15° (5°-Steps)
Area of application	For smaller roads, paths and cycle lanes, private driveways, alleyways and parking spaces.	For larger paths and cycle lanes, private areas and industrial zones.	For communal roads, crossroads, car parks and challenging open land and industrial zones.	For city roads and squares, multiple intersections, large areas and parks, large open land and industrial zones.

Types	StreetLED CUBE S48	StreetLED CUBE H72
Technical data	⑤	⑥
Number LED	48	72
Height of light spot (m)	7-12 m	7-12 m
Pole spacing (m)	38 m (8 m)	38 m (10 m)
Street category	M4	M3
Dimmable	✓	✓
Light colours	4500 K	4500 K
Variability	–	–
Area of application	For communal roads, crossroads, car parks and challenging open land and industrial zones.	For city roads and squares, multiple intersections, large areas and parks, large open land and industrial zones.

StreetLED2

StreetLED2 15

IP66 (ground symbol) FULL CUTOFF (square symbol) *optional

The right lights for lighting requirements of around 5lx, corresponding to street category P4. Classic uses of StreetLED2 15 include smaller roads, paths and cycle lanes, private driveways, alleyways and parking spaces.

Technical data

Light source	15 LEDs
Light colour	4000K
Light flux	2000lm
LED output	133lm/W
Input voltage	230VAC, 50/60Hz
System output	15W
Protection class	I (II on request)
Service life	min. 60000h
Dimmable	50%
Protection category	IP66
Weight	2.95kg
Dimensions L x W	430x200mm
Street category	P4 (5lx)
Recommended height of light spot	5m
Recommended pole spacing	24m (h = 5m)

15W – 2000lm

cd/klm

C 0 - 180°   C 90 - 270°

| Item no.	Description
290660	StreetLED2/W15/-
290661	StreetLED2/W15/dimmable 50%/-
277406	Pole securing mechanism for poles of diameter 60mm
274369	Pole securing mechanism for poles of diameter 76mm

60 mm   76 mm

Pole securing mechanism externally adjustable!

430mm
200mm
55mm
130mm

StreetLED2 30

IP66

FULL CUTOFF

*optional

The right light for lighting demands of around Ø0.5 cd/m², corresponding to street category P3 and M5. Classic uses of StreetLED2 30 include larger paths and cycle lanes, private areas and industrial zones.

Technical data

Light source	30 LEDs
Light colour	4000K
Light flux	3900lm
LED output	144lm/W
Input voltage	230VAC, 50/60Hz
System output	27W
Protection class	I (II on request)
Service life	min. 60000h
Dimmable	50%
Protection category	IP66
Weight	3.8kg
Dimensions L x W	430x310 mm
Street category	P3 or M5 (0,5cd/m²)
Recommended height of light spot	5 – 7 m
Recommended pole spacing	26 m (h = 6m)

27W – 3900lm

cd/klm

C 0 - 180°   C 90 - 270°

430mm

310mm

63mm
135mm

Item no.	Description
290662	StreetLED2/W30/-
290663	StreetLED2/W30/dimmable 50%/-
277406	Pole securing mechanism for poles of diameter 60mm
274369	Pole securing mechanism for poles of diameter 76mm

60 mm   76 mm

Pole securing mechanism externally adjustable!

+/- 15° adjustable

StreetLED2

StreetLED2 60

IP66

FULL CUTOFF

*optional

The right light for lighting demands of around Ø0.75 cd/m², corresponding to street category M4. Classical uses for StreetLED2 60 include communal roads, crossroads, car parks and challenging open land and industrial zones.

Technical data

Light source	60 LEDs
Light colour	4000K
Light flux	9500lm
LED output	130lm/W
Input voltage	230VAC, 50/60Hz
System output	73W
Protection class	I (II on request)
Service life	min. 60000h
Dimmable	50%
Protection category	IP66
Weight	7.6kg
Dimensions L x W	720x465mm
Street category	M4 (0.75cd/m²)
Recommended height of light spot	7 – 12m
Recommended pole spacing	38m (h = 8m)

Item no.	Description
290664	StreetLED2/W60/-
290665	StreetLED2/W60/dimmable 50%/-
277406	Pole securing mechanism for poles of diameter 60mm
274369	Pole securing mechanism for poles of diameter 76mm

60 mm   76 mm
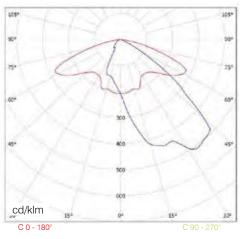
Pole securing mechanism externally adjustable!

73W – 9500lm

cd/klm

C 0 - 180°   C 90 - 270°

StreetLED2 90

+/- 15° adjustable

IP66 ⏚ FULL CUTOFF ☐ *optional

The right light for lighting demands of around Ø1.0 cd/m², corresponding to street category M3. Classical uses of StreetLED2 90 include city roads and squares, multiple intersections, large areas and parks, large open land and industrial zones.

Technical data

Light source	90 LEDs
Light colour	4000K
Light flux	12900lm
LED output	129lm/W
Input voltage	230VAC, 50/60Hz
System output	100W
Protection class	I (II on request)
Service life	min. 60000h
Dimmable	50%
Protection category	IP66
Weight	8.5kg
Dimensions L x W	720x465mm
Street category	M3 (1.0cd/m²)
Recommended height of light spot	7 – 12m
Recommended pole spacing	37m (h = 9m)

100W – 12900lm

cd/klm
C 0 - 180°   C 90 - 270°

Item no.	Description
290666	StreetLED2/W90/-
290667	StreetLED2/W90/dimmable 50%/-
277406	Pole securing mechanism for poles of diameter 60mm
274369	Pole securing mechanism for poles of diameter 76mm

60 mm   76 mm

Pole securing mechanism externally adjustable!

720mm

465mm

67mm
139mm

StreetLED CUBE

StreetLED CUBE 12

+/- 15° adjustable

IP66

FULL CUTOFF

The right light for needs of approx. 5lx, corresponding to lighting class P4. Classic Use cases of StreetLED CUBE 12 are smaller neighbourhood streets, pedestrian and cycling paths, private forecourts, alleys and car parks. **With 5 years warranty!**

Technical data
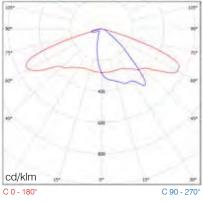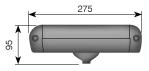
Light soucre / Light output	1 Modul-12 LEDs
System performance	19W
Luminaire flux	2000lm
Light colour	4500K
Input voltage	120-277VAC, 50/60 Hz
Lifetime approx.	min. 60000h
Protection rating	IP66 and IK10
Weight	4.2kg
Dimensions L x B x H	424 x 275 x 82.5mm
Lighting class	P4/M6
Recommended height of light spot	up to 5m
Recommended pole spacing	24m (h = 5m)
Light loss due to aging	~ 10% (60000h)
Select current	500mA
Variability	-15° to +15° (5°-steps)
Temperature range	-30°C to +40°C
Flange Ø	60mm
With regulation	50% control phase 230VAC
Fuse protection	flash cover 4kV
Equipment	with mounted H07RN-F cable 8m, 4 x 1mm^2

19W – 2000lm

cd/klm

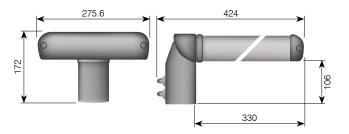C 0 - 180°　　　　　　C 90 - 270°
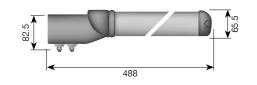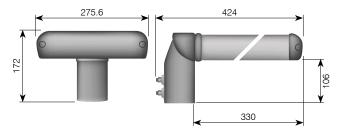
Item no.	Description
283668	StreetLED CUBE 12, switchable 50% control phase 230VAC, with mounted H07RN-F cable 8m, 4 x 1mm^2,
290192	Pole securing mechanism for poles of diameter 60mm
290193	Pole securing mechanism for poles of diameter 76mm

StreetLED CUBE 24

+/- 15° adjustable

IP66 FULL CUTOFF

The right light for needs of approx. 7.5lx or 0.5cd/m2, corresponding to lighting classes P3 and M5. Classic Use cases of StreetLED CUBE 24 are neighbourhood streets, major pedestrian and cycling paths, private areas and industrial sites. **With 5 years warranty!**

Technical data

Light soucre / Light output	2 Modul-24 LEDs
System performance	38W
Luminaire flux	4000lm
Light colour	4500K
Input voltage	120-277VAC, 50/60 Hz
Lifetime approx.	min. 60000h
Protection rating	IP66 and IK10
Weight	4.25kg
Dimensions L x B x H	424 x 275 x 82.5mm
Lighting class	P3 (7.5 lx) or M5 (0.5cd/m^2)
Recommended height of light spot	5 - 7m
Recommended pole spacing	26m (h = 6m)
Light loss due to aging	~ 10% (60000h)
Select current	500mA
Variability	-15° to +15° (5°-steps)
Temperature range	-30°C to +35°C
Flange Ø	60mm
With regulation	50% control phase 230VAC
Fuse protection	flash cover 4kV
Equipment	with mounted H07RN-F cable 8m, 4 x 1mm^2

38W – 4000lm

cd/klm

C 0 - 180°   C 90 - 270°

275

95

82.5   65.5

488

275.6   424

172   106

330

Item no.	Description
283669	StreetLED CUBE 24, switchable 50% control phase 230VAC, with mounted H07RN-F cable 8m, 4 x 1mm^2.
290192	Pole securing mechanism for poles of diameter 60mm
290193	Pole securing mechanism for poles of diameter 76mm

StreetLED CUBE

StreetLED CUBE 48

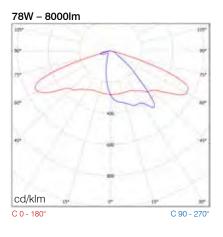

IP66 FULL CUTOFF

+/- 15° adjustable

The right light for lighting needs of approx. 0.75cd/m2, corresponding to lighting class M4. Typical Use cases of StreetLED CUBE 48 are local roads, intersections, car parks and demanding outdoor and industrial premises. **With 5 years warranty!**
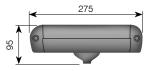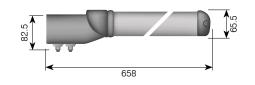
Technical data

Light soucre / Light output	4 Module-48 LEDs
System performance	78W
Luminaire flux	8000lm
Light colour	4500K
Input voltage	120-277VAC, 50/60 Hz
Lifetime approx.	min. 60000h
Protection rating	IP66 and IK10
Weight	6.35kg
Dimensions L x B x H	594 x 275 x 82.5mm
Lighting class	M4 (0.75cd/m²)
Recommended height of light spot	7 - 12m
Recommended pole spacing	38m (h = 8m)
Light loss due to aging	~ 10% (60000h)
Select current	500mA
Variability	-15° to +15° (5°-steps)
Temperature range	-30°C to +40°C
Flange Ø	60mm
With regulation	50% control phase 230VAC
Fuse protection	flash cover 4kV
Equipment	with mounted H07RN-F cable 12m, 4x1mm²

78W – 8000lm

cd/klm

C 0 - 180°   C 90 - 270°

Item no.	Description
283670	StreetLED CUBE 48, switchable 50 % control phase 230VAC, with mounted H07RN-F cable 8m, 4 x 1mm²,
290192	Pole securing mechanism for poles of diameter 60mm
290193	Pole securing mechanism for poles of diameter 76mm

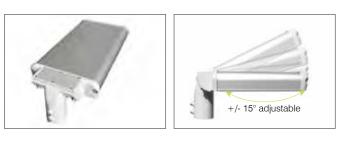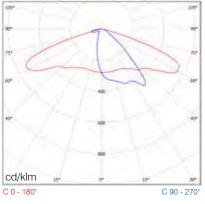## StreetLED CUBE 72

IP66 ⏚ FULL CUTOFF ▢

The right light for lighting needs of approx. 1.0cd/m2, corresponding to lighting class M3. Typical Use cases of StreetLED CUBE 72 are urban streets and squares, multiple intersections, large areas and car parks, and large outdoor and industrial premises. **With 5 years warranty!**
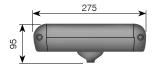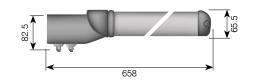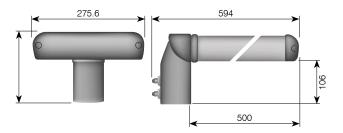
Technical data

Light soucre / Light output	6 Module-72 LEDs
System performance	118W
Luminaire flux	12000lm
Light colour	4500K
Input voltage	120-277VAC, 50/60 Hz
Lifetime approx.	min. 60000h
Protection rating	IP66 and IK10
Weight	6.45kg
Dimensions L x B x H	594 x 275 x 82.5mm
Lighting class	M3 (1.0cd/m²)
Recommended height of light spot	7 - 12m
Recommended pole spacing	38m (h = 10m)
Light loss due to aging	~ 10% (60000h)
Select current	500mA
Variability	-15° to +15° (5°-steps)
Temperature range	-30°C to +30°C
Flange Ø	60 m
With regulation	50% control phase 230VAC
Fuse protection	flash cover 4kV
Equipment	with mounted H07RN-F cable 12m, 4x1mm²

118W – 12000lm

cd/klm
C 0 - 180°   C 90 - 270°

Item no.	Description
283671	StreetLED CUBE 72, switchable 50 % control phase 230VAC, with mounted H07RN-F cable 12m, 4x1mm²ꞏ
290192	Pole securing mechanism for poles of diameter 60mm
290193	Pole securing mechanism for poles of diameter 76mm

StreetLED CUBE

StreetLED CUBE S48
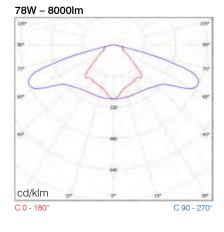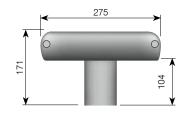

IP66 FULL CUTOFF

The right light for needs of approx. 0.75 cd/m², corresponding to lighting class M4. Classic Use cases of StreetLED CUBE S48 are municipal roads, intersections, car parks and complicated outdoor and industrial sites. **With 5 years warranty!**
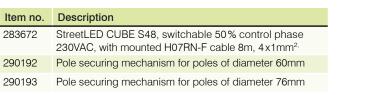
Technical data

Light soucre / Light output	4 Module-48 LEDs
System performance	78W
Luminaire flux	8000lm
Light colour	4500K
Input voltage	120-277 VAC, 50/60 Hz
Lifetime approx.	min. 60000h
Protection rating	IP66 and IK10
Weight	6.35kg
Dimensions L x B x H	566 x 275 x 171mm
Lighting class	M4 (0.75cd/m²)
Recommended height of light spot	7 - 12m
Recommended pole spacing	38m (h = 8m)
Light loss due to aging	~ 10% (60000h)
Select current	500mA
Temperature range	-30°C to +40°C
Flange Ø	60mm
With regulation	50% control phase 230VAC
Fuse protection	flash cover 4kV
Equipment	with mounted H07RN-F cable 8m, 4 x 1mm²

78W – 8000lm

cd/klm

C 0 - 180°   C 90 - 270°

Item no.	Description
283672	StreetLED CUBE S48, switchable 50% control phase 230VAC, with mounted H07RN-F cable 8m, 4 x 1mm²,
290192	Pole securing mechanism for poles of diameter 60mm
290193	Pole securing mechanism for poles of diameter 76mm

StreetLED CUBE H72

IP66 ⏚ FULL CUTOFF ▢

The right light for needs of approx. 1.0cd/m2, corresponding to lighting class M3. Classic Use cases of StreetLED CUBE H72 are urban streets and squares, multiple intersections, large areas and car parks, and large outdoor and industrial sites. **With 5 years warranty!**

Technical data

Light soucre / Light output	6 Module-72 LEDs
System performance	118W
Luminaire flux	12000lm
Light colour	4500K
Input voltage	120-277VAC, 50/60 Hz
Lifetime approx.	min. 60000h
Protection rating	IP66 and IK08
Weight	6.45kg
Dimensions L x B x H	539 x 275 x 148mm
Lighting class	M3 (1.0cd/m²)
Recommended height of light spot	7 - 12m
Recommended distance between luminaries	38m (h = 10m)
Light loss due to aging	~ 10% (60000h)
Temperature range	-30°C to +30°C
Select current	500mA
With regulation	50% control phase 230VAC
Fuse protection	flash cover 4kV
Equipment	with mounted H07RN-F cable 1m, 4 x 1mm²

118W – 12000lm

cd/klm

C 0 - 180°   C 90 - 270°
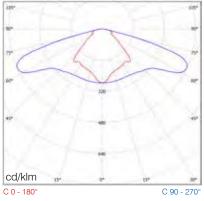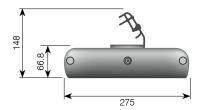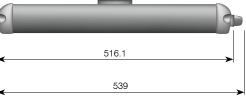
Item no.	Description
283673	StreetLED CUBE S48, switchable 50% control phase 230VAC, with mounted H07RN-F cable 1m, 4 x 1mm²

Control StreetLED2
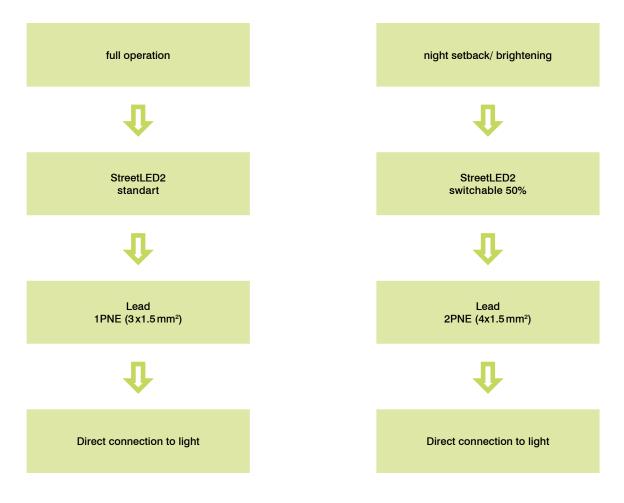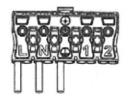
StreetLED2 control types
- for types 15/30/60/90 -

full operation	night setback/ brightening
⬇	⬇
StreetLED2 standart	**StreetLED2 switchable 50%**
⬇	⬇
Lead 1PNE (3x1.5 mm²)	**Lead 2PNE (4x1.5 mm²)**
⬇	⬇
Direct connection to light	**Direct connection to light**

full operation
1PNE

night setback/ brightening switchable 50%
2PNE

brightening   night setback
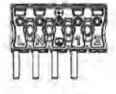
The light is switched on by switching the phase (L) and stays lit at 100%.

The light is switched on by switching the phase (L). The light can be changed by 50% by switching the control phase on or off. This is a default value that can not be changed.

StreetLED ASTRO - annual time switch
with Astro function for street lighting

With the StreetLED ASTRO you can now adjust the illumination levels for all types of street lighting, including the GIFAS StreetLED. The astro system is an annual timer and it is programmable.

The timer is built into a GIFAS robust solid rubber enclosure making it suitable for installation internally and externally.

Your Benefits
- suitable for use internally and externally
- not affected by the ambient light
- additional wiring is not required
- workday and weekend programming possible
- manual override possible
- 50% dimming offens energy saving benefits

Product properties
- 2-stage light control for street lighting (for example GIFAS StreetLED) with programmable annual switching times
- customer programming of required switching times
- switching times have 90 minutes tolerance (plus or minus)

Technical data

Power   the switching module can switch up to 2000W
             (for higher switching capacity a relay is required)
Housing   solid rubber
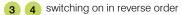Dimensions   WxHxD = 101x142x90mm

Item no.	Description
281698	StreetLED ASTRO - annual time switch

Astroprogram

| 1 | 2 | 5 | 6 | 3 | 4 |

1 first contact is switched on -> 50% brightness of the street light

2 second contact is switched on -> 100% brightness of the street light

3 **4** switching on in reverse order

5 **6** another possibility is the function of the night service. In this connection the light is switched off again. The programming is independent of the astro programm.

GIFAS
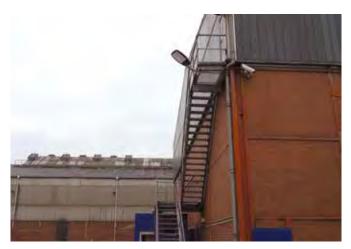ELECTRIC

StreetLED2

BMW, Munich

BMW, Munich

Sewage treatment plant, Osnabrück

Sewage treatment plant, Osnabrück

Steelworks, Bochum

Ask Chemicals, Wülfrath

StreetLED2 / StreetLED CUBE

industrial plant, Ruhrgebiet

Solvay Chemicals, Rheinberg

BKS, Velbert

ARA „Energiepark", Morgental

Company premises, chemical industry

StreetLED2 / StreetLED CUBE

StreetLED2 / StreetLED CUBE

Before - Residential area, Rorschacherberg

After - Residential area, Rorschacherberg

Footpath, Rebstein

Bicycle path, Rebstein

GIFAS, Rheineck

Main street, Rorschach

StreetLED2 / StreetLED CUBE

Car park lighting Billa, Mistelbach

Retail, Ernstbrunn

Energy Seeland, Lyss

Urban road, industrial area

Urban road, residential area

Urban road, residential area

StreetLED2 / StreetLED CUBE

GIFAS
ELECTRIC

WE ARE EXPERTS
IN YOUR FIELD

Public sector
Industrial sector
Transportation

Street lighting
Path lighting

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solution for you on our
website and read all the
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products.

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Industrial sector

Transportation

Safety equipment

GIFAS ELECTRIC GmbH
Borsigstrasse 9 | 41469 Neuss
GERMANY

📞 +49 2137 105-0
🖨 +49 2137 105-230
verkauf@gifas.de | www.gifas.de