

# Electrical connectivity







- CEE-plugs and receptacles ..... 2.1.4
- Plugs and receptacles 10 - 125 A plastic version for zone 1, 2, 21 and 22 ..... 2.1.10
- Plugs and receptacles 20 - 100 A according CSA ..... 2.1.34
- Plugs and receptacles 10 - 125 A with status-LED for zone 1, 2, 21 and 22 ..... 2.1.42
- Ex-wall socket with stainless steel enclosure ..... 2.1.46
- Ex-plugs and receptacles 16 A in metal design ..... 2.1.52
- Ex-plugs and receptacles 16 A - 125 A plastic version for zone 2 ..... 2.1.54
- Plugs and receptacles 16 A - 125 A for industrial applications ..... 2.1.72
- Ex-Repair- and maintenance receptacles ..... 2.1.88
- Ex-Repair receptacle distributions ..... 2.1.96
- Ex-portable multi-outlet distributions and cable reels ..... 2.1.98
- Redy-made connection power cords ..... 2.1.102
- Ex-protected portable power supply units ..... 2.1.106
- eXLink 4-pole/4-pole + PE ..... 2.1.116
- eXLink Ethernet/USB ..... 2.1.134
- eXLink 7-/6-polig + PE ..... 2.1.138
- Ex-protected terminal boxes with eXLink ..... 2.1.156

1



**From Ethernet connection to 125 A 3-phase Motors**

Connectivity solutions needs various requirements:

- high-frequency low current for BUS or Ethernet connections
- low voltage with rated current up to 16 A
- rated voltage from 250 V to 750 V and rated current up to 125 A

These are only the most visible differences in product design.

Even more requirements have been taken into account while designing and manufacturing connectivity products for use in hazardous areas.

Chemical resistance as well as mechanical strength – thermal behaviour and extended lifetime – products with the trade mark „CEAG“ will adhere to this challenges. Product families like **eXLink®**, **Ex-Therm** and **plugs & receptacles GHG 5...** will serve most of the upcoming market requirements.

**Cooper Crouse-Hinds: Always a reliable contact**



The principal feature is the pin and sleeve contact point. It determines the overall quality of the plug and receptacle system; special designed contacts mean low insertion and withdrawal forces, reliable contact-making, low transition

resistances and low thermal loads. The explosion protection stands and falls with these features. The self-cleaning Ex-e multicontact connections are made of louver-like punched and specially treated copper beryllium band. A large number of contact points ensure a perfect and durable electrical

connection with low insertion and withdrawal forces – and this has been the case for decades, since this kind of contact technique has been standard at CEAG products since 1985.

**Corrosion, no thank you!**

Electrical equipment in the offshore area is often strongly attacked by aggressive chemicals or salt water. In order to ensure that our plugs and receptacles remain in good working order, even after long-term use in an aggressive atmosphere, we have provided the plug pins with a high-grade nickel plating. All other exterior metal parts are made of high quality stainless steel. It goes without saying that the enclosures are made of corrosion-free, extreme temperature conditions and impact resistant plastics.

**Short circuit protection**

It's better to be on the safe side – should a fault occur in the connected electrical apparatus, the plug and socket must maintain the explosion protection. No problem, because, in conjunction with an external back-up fuse that can be so generously rated that during the normal start-up of a three-phase current motor with separate thermal protection no tripping occurs, the explosion protection and the function of the switch are not affected, even in the event of a direct short-circuit.

**Switching under full capacity**

Functionality even at the top-end. The integrated interlocked switch warrants not only a voltage free connection of the contacts but also an AC-3 motor switching capability. Meaning even when you plug in an appliance that is switched on, you have no problems. This means that even electric motors can be switched on and off and up to full capacity without damaging the interlock switch.

**Well connected**

Practice shows that a hundred percent electrical connection is not the only feature marking a high-quality plug and socket system. In particular, in the often very harsh industrial environments mechanical strength is of great importance. In addition to a good electrical connection, the patented plug-in-and-turn switching of the plug and socket also guarantees a rugged mechanical connection. Even if you pull hard, it won't come apart. The integrated switch is giving an easy to clean design too and offers the possibility to design and integrate the 16A & 32A receptacle into nearly any ex-e enclosure.

**On request with auxiliary contacts**

Auxiliary contacts are a fine thing. With them, you can hand-on selective messages. For example during a routine maintenance, when you want to know which plug sockets are momentarily in use. The auxiliary contact can be fitted in all 4- and 5-pole wall sockets, also at a later date.





**High ingress protection**

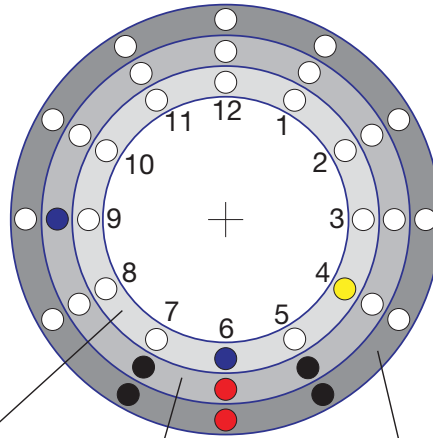
The new plugs and receptacles reliably supply electrical power, even under the most difficult circumstances. From minus 20°C to plus 55°C there are no problems due to the ingress of water or dirt, because when the plug

has been withdrawn, the sockets and couplers fulfil the requirements for the degree of protection IP66; and thanks to the type of bayonet ring, the degree of protection IP66 is also ensured when the plug is inserted and energized – we have tested it!

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**CEE plugs and receptacles**

A first step towards creating an international standard for industrial plugs and receptacles was taken with the IEC 60309 and CEE Publication 17, "Requirements for Plugs and Receptacles for Industrial Use". "IEC" stands for "INTERNATIONAL ELECTRICAL COMMISSION". When selecting plugs and receptacles from the existing ranges for standardization, preference was given to round plugs and receptacles, as the contact-making insert can be arranged in various positions (hours of day). This allows a high degree of differentiation of plugs and receptacles with regard to the various types of currents, voltages, frequencies, etc.



Ground pin location	Number of pins (P = Power, N = Neutral, PE = Earth or Ground)		
	2 P + PE P + N + PE	3 P + PE	3 P + N + PE
2h	>50 V, 300 - 500 Hz, only 16 A/32 A green housing	>50 V, 300 - 500 Hz, only 16 A/32 A green housing	>50 V, 300 - 500 Hz, only 16 A/32 A green housing
3h	–	380 V, 50 Hz, only 16 A/32 A 440 V, 60 Hz, only 16 A/32 A <sup>1)</sup> red housing	220/380 V, 50 Hz, only 16 A/32 A 250/440 V, 60 Hz, only 16 A/32 A <sup>1)</sup> red housing
4h	100 - 130 V, 50–60 Hz yellow housing	100 - 130 V, 50–60 Hz yellow housing	57/100 - 75/130 V, 50–60 Hz yellow housing
5h	277 V, 60 Hz grey housing	600 - 690 V, 50/60 Hz black housing	347/600 - 400/690 V, 50/60 Hz black housing
6h	200 - 250 V, 50–60 Hz blue housing	380 - 415 V, 50/60 Hz red housing	200/346 - 240/415 V, 50/60 Hz red housing
7h	480 - 500 V, 50–60 Hz grey housing	480 - 500 V, 50/60 Hz grey housing	277/480 - 288/500 V, 50/60 Hz grey housing
8h	> 250 V DC-voltage grey housing	–	–
9h	380 - 415 V, 50–60 Hz red housing	200 - 250 V, 50/60 Hz blue housing	120/208 - 144/250 V, 50/60 Hz blue housing
10h	–	> 50 V, 100 - 300 Hz green housing	–
11h	–	440 - 460 V, 60 Hz <sup>2)</sup> red housing	250/400 - 265/460 V, 60 Hz <sup>2)</sup> red housing
12h	50 - 60 Hz <sup>3)</sup> grey housing	50/60 Hz <sup>3)</sup> grey housing	–

<sup>1)</sup> for reefer container; <sup>2)</sup> for ships; <sup>3)</sup> Output of an isolation transformer with more than 50 V

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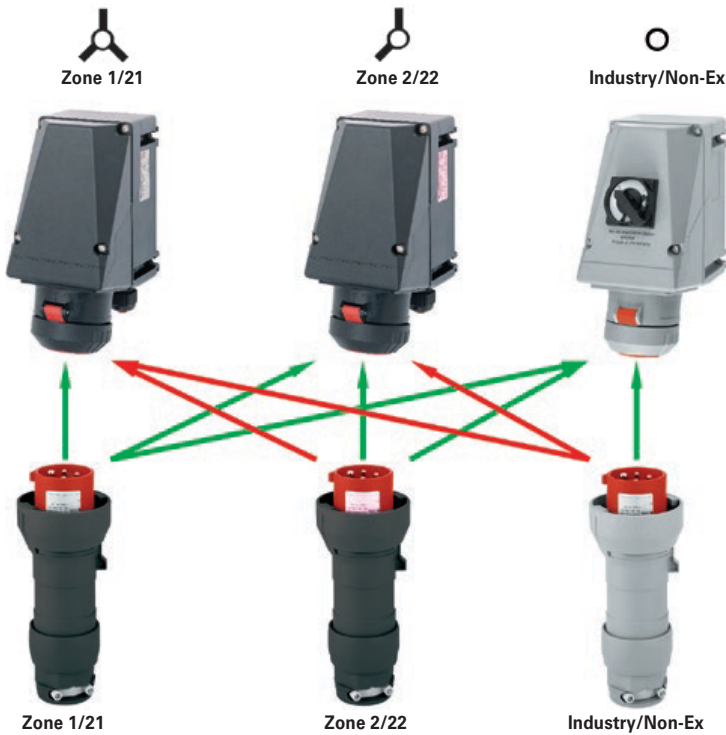


**The key to safety**

Plugs and receptacles with a cleverness: The innovative coding of apparatus allows plugs used for Zone 1 to be used in receptacles for Zone 2 and/or for usage with industrial receptacles as well. Hence, plugs and receptacles for Zone 1 can be used anywhere. However, by the same token, the coding ensures that Zone 2 plugs cannot be operated in sockets with Zone 1 coding. That guarantees safety with an enormous flexibility in their usage. Speaking of flexibility: It goes without saying that the plugs of the existing range also fit into the new receptacles.

Zone 1	Zone 2	Industry

Coding of the plugs and receptacles

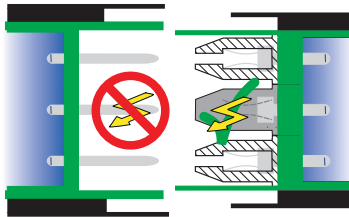


possible   
 not possible

Combination of possible/not possible connections of plug/wall socket



**What is eXLink?**



**eXLink** is a complete system for connecting and disconnecting products electrically. This system is available in different versions for different applications: 4-pole, 4-pole + PE, 6-pole + PE and 7-pole.

It is necessary to distinguish between active components (couplers/receptacles) that, due to the design of the live parts (contact sockets in IP 30), can also be live when open, and passive components (plugs/inlets) that, due to the exposed plug pins, must not be live.

**A solution for every environment**

Depending upon the field of application, the components of the **eXLink connector system** are available in different versions:



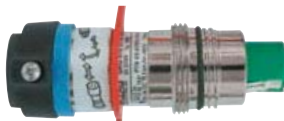
• **Moulded plastic**

The material used is a heavy-duty, impact resistant polyamide that, even in the event of extreme fluctuations in temperature, retains its high material properties.



• **Nickel-plated brass**

The use of this material has been proven very successful for inlets and receptacles in flameproof apparatus. Thanks to its insensitivity to severe ambient conditions, it is particularly well suited for use in atmospheres with a particularly high content of harmful and aggressive substances.



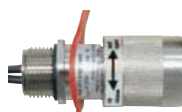
• **AISI 316L stainless steel**

This material is used if aggressive environmental influences, such as salt water, acids, alkalis, place particularly high demands on the corrosion resistance and mechanical stress of a component. Stainless steel receptacles and inlets are also used for the connection of flameproof apparatus.



• **Option for the connection of armoured cables:**

In order to be able to provide a solution for the connection of armoured, braided or screened cables, we have developed a metal version with a universal armoured clamp. This allows the use of many commonly used armoured cables. An external strain relief provides protection against strong external forces. This solution is available in nickel-plated brass and stainless steel for plugs and couplers.



• **Threads:**

The 4-pole and 4-pole + PE inlets and receptacles feature an integral M20 or NPT 1/2" thread.  
The 6-pole + PE and 7-pole inlets and receptacles have an integral M25 or NPT 3/4" thread. NPT-metallic only.

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**Components**

Different applications need individual solutions, who can be reached by the combination of well-suited components.

• **Plug:**



Suitable as a cable end – with plug pins (in line male cable connector), must not be live when disconnected (**passive component**).

• **Connector:**



Suitable as a cable end – with contact sockets (in line female cable connector), can be live when disconnected (**active component**).

• **Receptacle:**



Suitable for installation with thread in products – with contact sockets (female), can be live when disconnected (**active component**).

• **Inlet:**



Suitable for installation with thread in products – with plug pins (male), must not be live when disconnected (**passive component**).

• **Elbow:**



90° elbow to facilitate installation of an inlet or a receptacle into a device when it is not possible to lay the cables in a straight line. The direction of the elbow can be aligned in 12 directions (30° turns).

• **Locking device:**



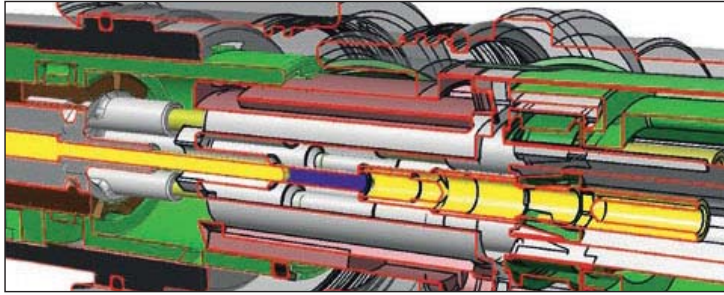
A two-part system which, when eXLink is installed on the connector/inlet, plug/receptacle or connector/plug, allows a padlock to be attached to prevent eXLink from being disconnected by unauthorised person.

• **eXLink Mining:**



eXLink Mining ist ein separat bescheinigtes Stecksystem für den harten Einsatz in schlagwettergefährdeten Bereichen des Untertagebergbaus. Ströme bis 16 A können so sicher and flexibel verteilt werden. Auch Bergbau typische armoured cables sind an den Steckern and Kupplungen anschließbar.





**Function**

The self-cleaning Ex-e multi-contact conducting pins provide permanent faultless electrical connection. To ensure that the contact system remains fully functional even during long-term use in aggressive environments all conducting pins are silver-plated. The quality of the connection means that the system is suitable for current in the mA range up to 16 A continuously.

**Coding**

Male and female connectors are coded using a similar timetable according IEC 60309 standard, where voltage and current types have their own „time of day“ to ensure that the correct connection is made.

**3-/4-pole:**

- 2 h Bus connections
- 4 h 110 V AC 2-pole + PE
- 5 h 24 V AC 4-pole + PE
- 6 h 230 V AC 2-pole + PE
- 8 h 24 V DC 4-pole
- 10 h 230 V AC 4-pole + PE
- 12 h 24 V AC 2-pole + PE

**6+1-pole:**

- 4 h 110 V AC 6-pole + PE
- 6 h 230 V AC 6-pole + PE
- 8 h 24 V DC 7-pole
- 10 h 400 V AC 6-pole + PE
- 12 h 24 V AC 6-pole + PE

However, individual combinations can also be coded if required by customers. The time code can be read on the connector. The location of PE/PA in relation to the keyway determines the name (e.g. 6 h = PE/PA bottom). By the time-setup it is protected to connect apparatus to the wrong outlet.

**Connection types**

The eXLink is available in two connection types:

• **Crimp connection**

The conductors are crimped directly into the contact pins. The crimp connection is suitable for all cables from 0.25 mm<sup>2</sup> - 0.5 mm<sup>2</sup>, 0.75 mm<sup>2</sup> - 1.5 mm<sup>2</sup> or in a third version for 2.5 mm<sup>2</sup>.

Smaller cables can be soldered.

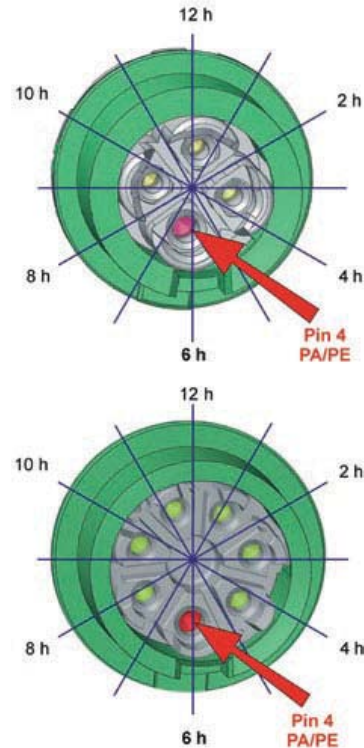
• **Cage clamp terminal**

This solution allows conductors between 0.5 and 1.0 mm<sup>2</sup> to be installed easily as the conductors do not have to be crimped into the contact pins. All plugs and couplers up to and including the 4-pole version can be delivered with cage clamp

terminals. The 6-pole+PE and the 7-pole versions are available as cage clamp versions too.

**Extended ambient temperature range**

The system is approved for a standard ambient temperature range of -55 °C to +75 °C. The use of moulded plastic versions is restricted in mechanical strength from -55 °C to -25 °C. Above +40 °C up to +75 °C the rated current have to be decreased.



# EX - PLUGS AND RECEPTACLES

10 A to 125 A  
plugs and receptacles plastic version for zone 1, 2, 21 and 22

## 1 A good connection

Providing electrical energy there, where it is most needed – even in hazardous areas for the Zones 1, 2, 21 and 22.

Non-stationary electrical apparatus have generally high requirements on the energy/power supply. Robust plugs and receptacles as well as a high chemical resistance are at the first glance very important. Electrical reliability is a must not only for all connectivity products.

A high safety standard, a steady hold and faultless contacting even under vibration or the effects of an aggressive atmospheric environment are the basis for a secure and reliable utilisation.

CEAG plugs and receptacles offer more, apart from the proven technology, this product series is defined by its innovative details. For example, the very efficient cable strain relief or the new coding system of the various versions offers different solutions for a secure and problem free utilization in all areas.

Just to round the product off, the user in the normal industrial sector becomes exactly the same product advantages. Robust industrial versions fulfil all requirements appertaining to mechanical and chemical durability. For the stationary repair power supplying in hazardous explosive areas, there is a specially conceived version available that fulfils all the necessary safety requirements. Used in a module sense, individual solutions are no problem at all.

The CEAG wall socket for instance can be mounted on to the pre-installed mounting frame without having to use tools – installation without a hot work permit.

Apart from the plugs and receptacles for the European market, we also have plugs and sockets extra for the US market, which are in accordance to all of the necessary standards UL and safety protection systems used there. The available standard range used here, are the 20 A, 30 A, 60 A and 100 A.

### International approvals.

- Nickel-plated contacts
- Low insertion force
- Safety standard IP66 applies also in the plugged-in state
- Full AC-3 switching ability
- Self-cleaning lamellar contacts, low transition resistance
- All-pole on/off switching
- Easy plugging





**16A 4-/5-pole transformer plug**  
**Plug with fuse**



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Transformer plug

**Technical data**

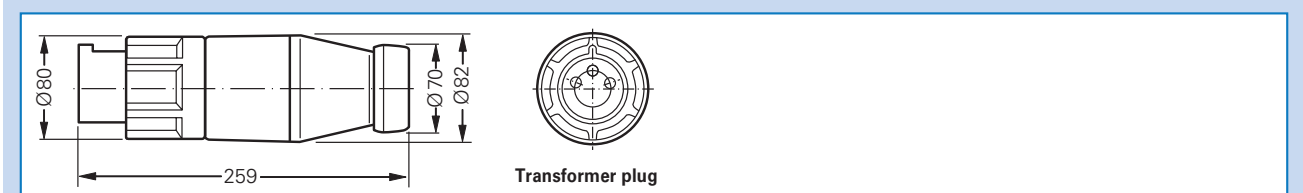
**Ex-transformer plug acc. to IEC 60309-1/2, up to 415 V**

Marking accd. to 94/9/EC	II 2 G Ex ed IIC T5
EC-Type Examination Certificate	PTB 99 ATEX 1039
Marking accd. to IECEx	Ex ed [ia] IIC T6/T5
IECEX Certificate of Conformity	IECEX BKI 04.0002
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage primary	250 V AC
Rated voltage secondary	12 V, 24 V, 36 V, 42 V or 230 V~
Frequency	50 - 60 Hz
Power consumption	max. 65 VA
Back up fuse, internal	0.5 A mT, replaceable
Connecting terminals	1 x 1 - 4 mm <sup>2</sup>
Protection class	I
Degree of protection accd. to EN 60529	IP54
Cable entry	Ø 10 - 20 mm
Enclosure material	glass-fibre reinforced polyester, polyamide

**Ordering details**

Voltage	h	Type	Weight approx.	Sec voltage	Order No.
<b>16 A transformer plug 4-pole</b>					
200-250 V		Transformer plug 65 VA	2.3 kg	42 V	<b>GHG 531 6469 V0000</b>
		Transformer plug 65 VA	2.3 kg	24 V	<b>GHG 531 6469 V5005</b>
		Transformer plug 65 VA	2.3 kg	12 V	<b>GHG 531 6469 V5025</b>
<b>16 A transformer plug 5-pole</b>					
380-415 V		Transformer plug 65 VA	2.3 kg	42 V	<b>GHG 531 6566 V0000</b>
		Transformer plug 65 VA	2.3 kg	24 V	<b>GHG 531 6566 V5005</b>
		Transformer plug 65 VA	2.3 kg	12 V	<b>GHG 531 6566 V5025</b>
		Transformer plug 65 VA	2.3 kg	230 V	<b>GHG 531 6566 V5023</b>
<b>Plug with fuse</b>					
200-250 V		Plug with fuse max. 6.3 A	1.3 kg	-	<b>GHG 531 7536 V0000</b>
<b>Accessories</b>					
Plug cap 3/4 pole					<b>GHG 530 1935 R0002</b>
Plug cap 5 pole / Plug with fuse					<b>GHG 530 1935 R0005</b>

**Dimension drawing**



Dimensions in mm



**16A 2-pole up to 50 V**  
**16A 3-pole up to 50 V**

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Wall socket

Flange socket

Coupler

Plug

## Technical data

### Ex-plugs and receptacles for low voltage, 2- and 3-pole acc. to IEC 60309-1/2

Marking accd. to 94/9/EC	II 2 G Ex de [ia] IIC T6/T5
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1039 Flange socket: PTB 99 ATEX 1063 U
IECEX Certificate of Conformity	IECEX BK1 04.0002
Marking accd. to IECEX	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	up to 50 V
Rated current	16 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	$U_o$ 50 V / $I_o$ 16 A
External back-up fuse, max.	without therm. protection: 16 A / with therm. protection: 35 A
Degree of protection accd. to EN 60529	IP54 (IP 66 optional)

#### Wall socket

Cable entry	1 x M25 Ø 8 - 17 mm, 1 x M25 plastic Ex-screw plug (bottom) or 2 x metal thread M20 with screw plug plastic
Connecting terminals	2 x 1.5 <sup>2</sup> - 4 mm <sup>2</sup>
Enclosure material	glass-fibre reinforced polyester

#### Plug

Cable entry	Ø 9 - 17 mm
Connecting terminals	1.0 - 4 mm <sup>2</sup>
Enclosure material	Polyamide

#### Coupler

Cable entry	Ø 9 - 17 mm
Connecting terminals	1.5 - 4 mm <sup>2</sup>
Enclosure material	Polyamide

#### Flange socket

Connecting terminals	1.5 - 4 mm <sup>2</sup>
Enclosure material	Polyamide



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### Ordering details

Voltage	h	Type	Cable gland	Weight approx.	Order No.
<b>Type 2-pole low voltage</b>					
≤ 24 V		Wall socket	M25 KU	1.2 kg	GHG 513 4200 R0001
		Flange socket		0.4 kg	GHG 542 5200 V0000
		Coupler		0.7 kg	GHG 513 3200 R0001
		Plug		0.35 kg	GHG 542 2200 V0000
42 V		Wall socket	M25 KU	1.2 kg	GHG 513 4212 R0001
		Flange socket		0.4 kg	GHG 542 5212 V0000
		Coupler		0.7 kg	GHG 513 3212 R0001
		Plug		0.35 kg	GHG 542 2212 V0000
<b>Type 3-pole low voltage</b>					
≤ 24 V		Wall socket	M25 KU	1.2 kg	GHG 513 4300 R0001
		Flange socket		0.4 kg	GHG 542 5300 V0000
		Coupler		0.7 kg	GHG 513 3300 R0001
		Plug		0.35 kg	GHG 542 2300 V0000
42 V		Wall socket	M25 KU	1.2 kg	GHG 513 4312 R0001
		Flange socket		0.4 kg	GHG 542 5312 V0000
		Coupler		0.7 kg	GHG 513 3312 R0001
		Plug		0.35 kg	GHG 542 2312 V0000

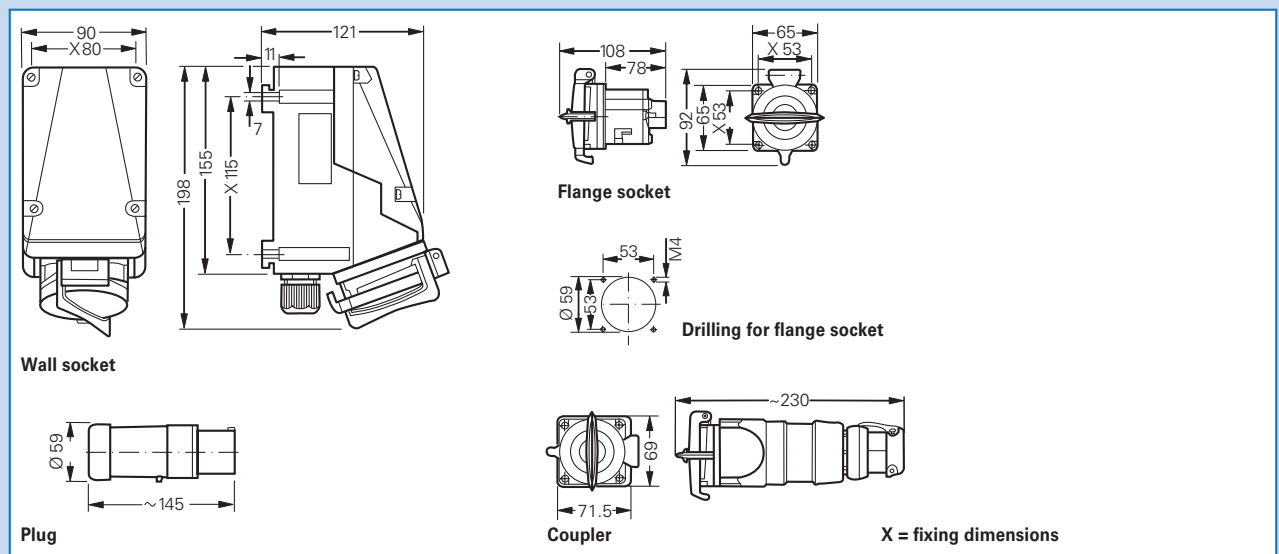
Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M25 for Ø 8-17 mm, 1 x M25 plastic Ex-screw plug

### Accessories

Type	Application	Fixing method	Order No.
Mounting plate size 4	Wall mounting	snap on for GHG 531 4/5 pole	GHG 610 1953 R0151
Mounting plate size 4	Wall mounting	snap on for GHG 531 3 pole	GHG 610 1953 R0152
Protective canopy size 4		pluggable	GHG 610 1955 R0107

### Dimension drawing



Dimensions in mm

**| 10A 21-pole up to 250 V |**

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**Technical data**

Ex-plugs and receptacles, 21-pole	
Marking accd. to 94/9/EC	II 2 G Ex e II T6
EC-Type Examination Certificate	PTB 00 ATEX 1109
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	250 V AC
Rated current	10 A
Frequency	up to 400 Hz
External back up fuse	without therm. protection: 10 A with therm. protection: 16 A gL (rated current 10 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP65
Enclosure colour	black

Wall socket	
Cable entry/enclosure drilling	1 x M40 Ø 17 - 28 mm, 1 x M32 metal thread with plastic Ex-screw plug
Connecting terminals	1 x 1.0 - 2.5 mm <sup>2</sup>
Enclosure material	glass-fibre reinforced polyester

Plug	
Cable entry	Ø 19 - 28 mm
Connecting terminals	1 x 1.0 - 2.5 mm <sup>2</sup> crimp or solder connection <sup>1)</sup>
Enclosure material	Polyamide

<sup>1)</sup> Please use appropriate crimp tool





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**Ordering details**

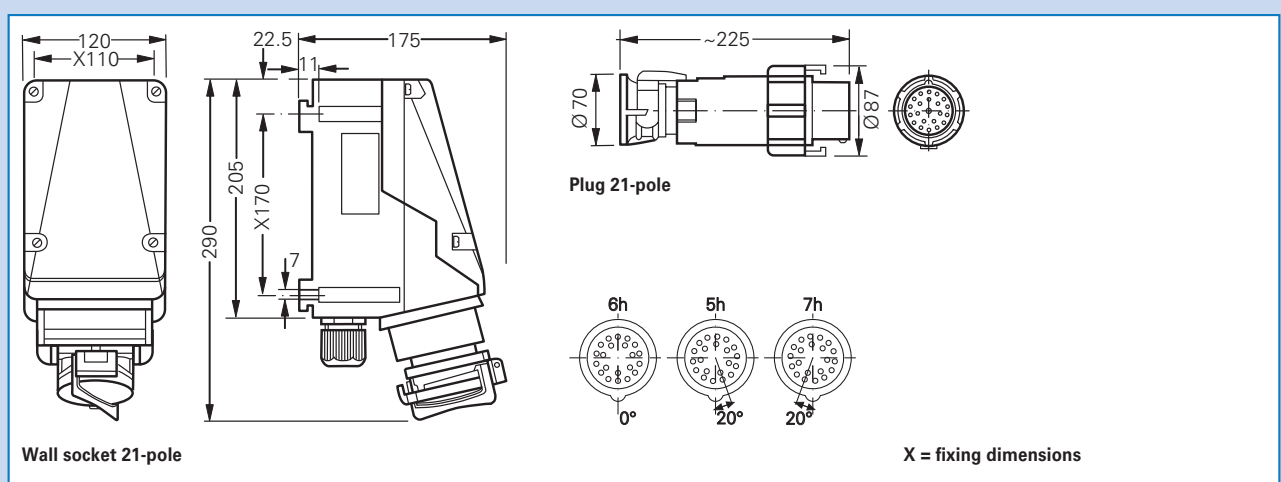
Type	h	Cable gland	Weight	Order No.
<b>Type 10 A 21-pole</b>				
Wall socket	5 h	KU	1.8 kg	GHG 511 4905 R0001
Wall socket	5 h	ME	1.9 kg	GHG 511 4905 R3001
Plug	5 h		0.7 kg	GHG 591 2201 R0001
Wall socket	6 h	KU	1.8 kg	GHG 511 4906 R0001
Wall socket	6 h	ME	1.9 kg	GHG 511 4906 R3001
Plug	6 h		0.7 kg	GHG 591 2201 R0002
Wall socket	7 h	KU	1.8 kg	GHG 511 4907 R0001
Wall socket	7 h	ME	1.9 kg	GHG 511 4907 R3001
Plug	7 h		0.7 kg	GHG 591 2201 R0003

Type	Application	Fixing method	Order No.
<b>Accessories</b>			
Plug cap 21-pole			GHG 530 1935 R0008
Mounting plate size 5	for wall mounting	snap on	GHG 610 1953 R0128
Mounting plate size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Mounting plate size 5	for pipe clamp	snap on	GHG 610 1953 R0132
Socket bushes 1 set = 7 pcs.			GHG 590 1301 R0102
Plug pins 1 set = 7 pcs.			GHG 590 1302 R0102
Ex-crimping tool for sockets and pins			GHG 590 1902 R0001
Dismanteling tool for sockets and pins			GHG 590 1903 R0001

KU = 1 x plastic cable glands M40 for Ø 17-28 mm

ME = 1 x metal thread M32 with plastic Ex-screw plug

**Dimension drawing | Coding**



Dimensions in mm

**| 20A 7-pole up to 500 V |**

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**Technical data**

**Ex-plugs and receptacles, 7-pole**

Marking accd. to 94/9/EC	II 2 G Ex ed IIC T6/T5
EC-Type Examination Certificate	PTB 00 ATEX 1109
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	500 V
Rated current	16 A (T6) / 20 A (T5)
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-4	U <sub>o</sub> 500 V / I <sub>o</sub> 10 A U <sub>o</sub> 250 V / I <sub>o</sub> 16 A
External back up fuse	without therm. protection: 16 A with therm. protection: 25 A gL (rated current 16/20 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

**Wall socket**

Cable entry/enclosure drilling	1 x M40 Ø 19 - 28 mm, 1 plastic Ex-screw plug 2 x M32 metal thread with 2 plastic Ex-screw plug
Connecting terminals	2 x 1.5 - 4 mm <sup>2</sup>
Enclosure material	glass-fibre reinforced polyester

**Plug**

Cable gland	Ø 9 - 17 mm
Connecting terminals	1 x 1.0 - 2.5 mm <sup>2</sup> crimp or solder connection <sup>1)</sup>
Enclosure material	Polyamide

<sup>1)</sup> Please use appropriate crimp tool



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**Ordering details**

Type	h	Cable gland	Weight	Order No.
<b>Type 20 A 7-pole</b>				
Wall socket 7-pole	6 h	KU	2.2 kg	GHG 511 4706 R0001
Wall socket 7-pole	6 h	ME	2.3 kg	GHG 511 4706 R3001
Plug 7-pole	6 h		0.3 kg	GHG 592 2001 R0002
Wall socket 6-pole + PE	7 h	KU	2.2 kg	GHG 511 4707 R0003
Wall socket 6-pole + PE	7 h	ME	2.3 kg	GHG 511 4707 R3003
Plug 6-pole + PE	7 h		0.3 kg	GHG 592 2001 R0022

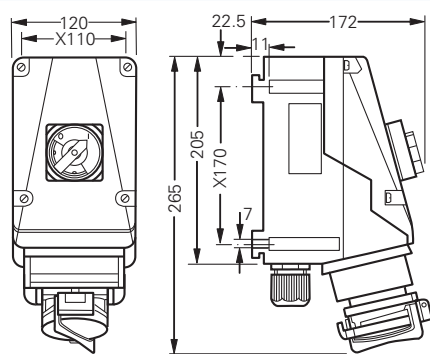
Type	Application	Fixing method	Order No.
<b>Accessories</b>			
Plug cap 7-pole			GHG 540 1935 R0002
Mounting plate size 5	for wall mounting	snap on	GHG 610 1953 R0128
Mounting plate size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Mounting plate size 5	pipe clamp	snap on	GHG 610 1953 R0132
Socket bushes 1 set = 7 pcs.			GHG 590 1301 R0102
Plug pins 1 set = 7 pcs.			GHG 590 1302 R0102
Ex-crimping tool for sockets and pins			GHG 590 1902 R0001
Dismanteling tool for sockets and pins			GHG 590 1903 R0001

Other voltage ranges and versions available on request

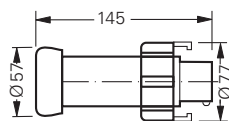
KU = 1 x plastic cable glands M40 Ø 19-28 mm, 1 x M40 with plastic Ex-screw plug

ME = 2 x metal thread M32 with plastic Ex-screw plug

**Dimension drawing | Wiring diagram**

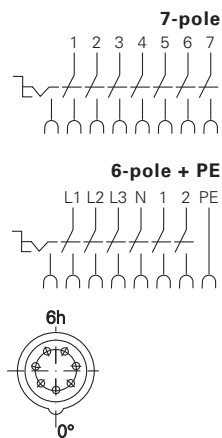


Wall socket 7-pole



Plug 7-pole

X = fixing dimensions



Dimensions in mm



# 16A 3-pole, 4-pole and 5-pole up to 690 V

1



## Technical data

### Ex-plugs and receptacles acc. to IEC 60309-1/2 16A

Marking accd. to 94/9/EC	⊕ II 2 G Ex ed IIC T6 / ⊕ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1039 Flange socket: PTB 99 ATEX 1040 U
IECEX Certificate of Conformity	IECEX BKI 04.0002
Marking accd. to IECEX	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20°C up to +40°C <sup>1)</sup>
Rated voltage	up to 400 V, (3-pole) / 690 V, (4-pole) / 500 V, (5-pole) AC
Rated current	16 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U <sub>e</sub> 250 V / I <sub>e</sub> 16 A (3-pole) U <sub>e</sub> 690 V / I <sub>e</sub> 16 A (4-pole) U <sub>e</sub> 500 V / I <sub>e</sub> 16 A (5-pole)
External back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gL (rated current 16 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66

### Wall socket

Cable entry	1 x M25 Ø 8 - 17 mm, 1 x M25 plastic Ex-screw plug or 2 x metal thread M20 with plastic Ex-screw plug
Connecting terminals	2 x 1 - 4 mm <sup>2</sup>
Enclosure material	glass-fibre reinforced polyester

### Plug

Cable entry	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	1 x 1.0 - 2.5 mm <sup>2</sup>
Enclosure material	Polyamide

### Coupler


Cable entry	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	2 x 1 - 4 mm <sup>2</sup>
Enclosure material	Polyamide

### Flange socket

Connecting terminals	2 x 1 - 4 mm <sup>2</sup>
Enclosure material	Polyamide

1) extended temperature range on request







## Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
<b>Type 16 A 3-pole</b>						
110-130 V		Wall socket	-	M25 KU	1.2 kg	<b>GHG 511 4304 R0001</b>
		Wall socket	-	M20 GE	1.2 kg	<b>GHG 511 4304 R0002</b>
		Wall socket	-	M20 ME	1.3 kg	<b>GHG 511 4304 R3001</b>
		Wall socket	-	M20 GM	1.3 kg	<b>GHG 511 4304 R3003</b>
		Flange socket			0.4 kg	<b>GHG 511 8304 R0001</b>
		Coupler			0.7 kg	<b>GHG 511 3304 R0001</b>
		Plug			0.35 kg	<b>GHG 511 7304 R0001</b>



1

### Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
<b>Type 16 A 3-pole</b>						
200-250 V		Wall socket	-	KU	1.2 kg	GHG 511 4306 R0001
		Wall socket	-	GE	1.2 kg	GHG 511 4306 R0002
		Wall socket	-	ME	1.3 kg	GHG 511 4306 R3001
		Wall socket	-	GM	1.3 kg	GHG 511 4306 R3003
	6 h	Flange socket	-		0.4 kg	GHG 511 8306 R0001
		Coupler	-		0.7 kg	GHG 511 3306 R0001
		Plug	-		0.35 kg	GHG 511 7306 R0001
<b>Type 16 A 4-pole</b>						
200-250 V		Wall socket	-	KU	1.8 kg	GHG 511 4409 R0001
		Wall socket	-	ME	1.9 kg	GHG 511 4409 R3001
		Wall socket	-	GM	2.0 kg	GHG 511 4409 R3003
		Flange socket	-		1.0 kg	GHG 511 8409 R0001
	9 h	Coupler	-		1.7 kg	GHG 511 3409 R0001
		Plug	-		0.7 kg	GHG 511 7409 R0001
380-415 V		Wall socket	-	KU	1.8 kg	GHG 511 4406 R0001
		Wall socket	-	ME	1.9 kg	GHG 511 4406 R3001
		Wall socket	-	GM	2.1 kg	GHG 511 4406 R3003
		Wall socket	yes	KH	1.8 kg	GHG 511 4406 R0501
	6 h	Flange socket	-		1.0 kg	GHG 511 8406 R0001
		Coupler	-		1.7 kg	GHG 511 3406 R0001
		Plug	-		0.7 kg	GHG 511 7406 R0001
<b>Type 16 A 5-pole</b>						
200-250 V 380-415 V		Wall socket	-	KU	1.8 kg	GHG 511 4407 R0001
		Wall socket	-	ME	1.9 kg	GHG 511 4407 R3001
		Wall socket	yes	KH	1.8 kg	GHG 511 4407 R0501
		Flange socket	-		1.0 kg	GHG 511 8407 R0001
	7 h	Coupler	-		1.7 kg	GHG 511 3407 R0001
		Plug	-		0.7 kg	GHG 511 7407 R0001
600-690 V		Wall socket	-	KU	1.8 kg	GHG 511 4405 R0001
		Wall socket	-	ME	1.9 kg	GHG 511 4405 R3001
		Wall socket	yes	KH	1.8 kg	GHG 511 4405 R0501
		Flange socket	-		1.0 kg	GHG 511 8405 R0001
	5 h	Coupler	-		1.7 kg	GHG 511 3405 R0001
		Plug	-		0.7 kg	GHG 511 7405 R0001
200-250 V 380-415 V		Wall socket	-	KU	1.8 kg	GHG 511 4506 R0001
		Wall socket	-	ME	1.9 kg	GHG 511 4506 R3001
		Wall socket	yes	KH	1.8 kg	GHG 511 4506 R0501
		Wall socket	-	GM	2.1 kg	GHG 511 4506 R3003
	6 h	Flange socket	-		1.0 kg	GHG 511 8506 R0001
		Coupler	-		1.7 kg	GHG 511 3506 R0001
		Plug	-		0.7 kg	GHG 511 7506 R0001

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M25 for Ø 8-17 mm, 1 x M25 plastic Ex-screw plug

KH = 2 x plastic cable glands M25 for Ø 8-17 mm, aux. contact, 1 NO

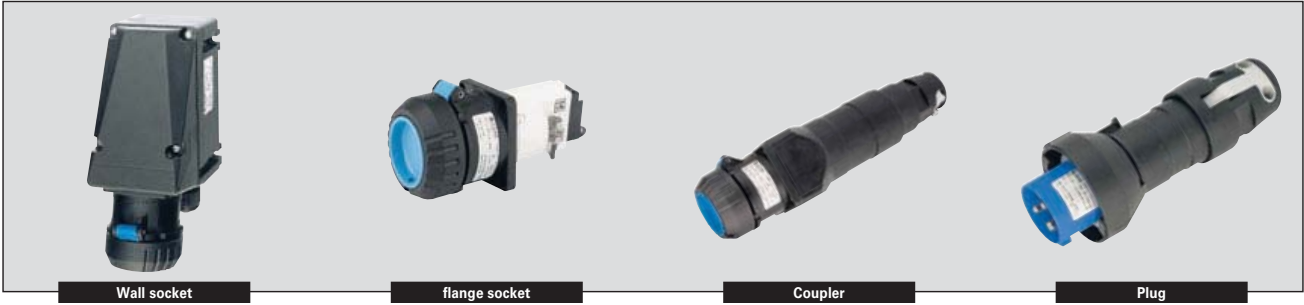
ME = 2 x metal thread M20

GE = 2x plastic thread M20 without gland/screw plug

GM = 2 x metal thread M20 with screw plug, with external earth bolt M6

**| 16A 3-pole, 4-pole and 5-pole up to 690 V |**

1



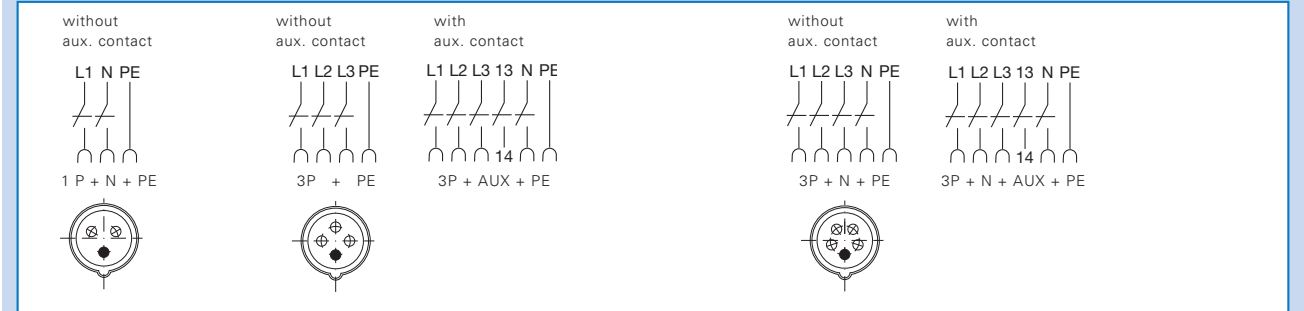
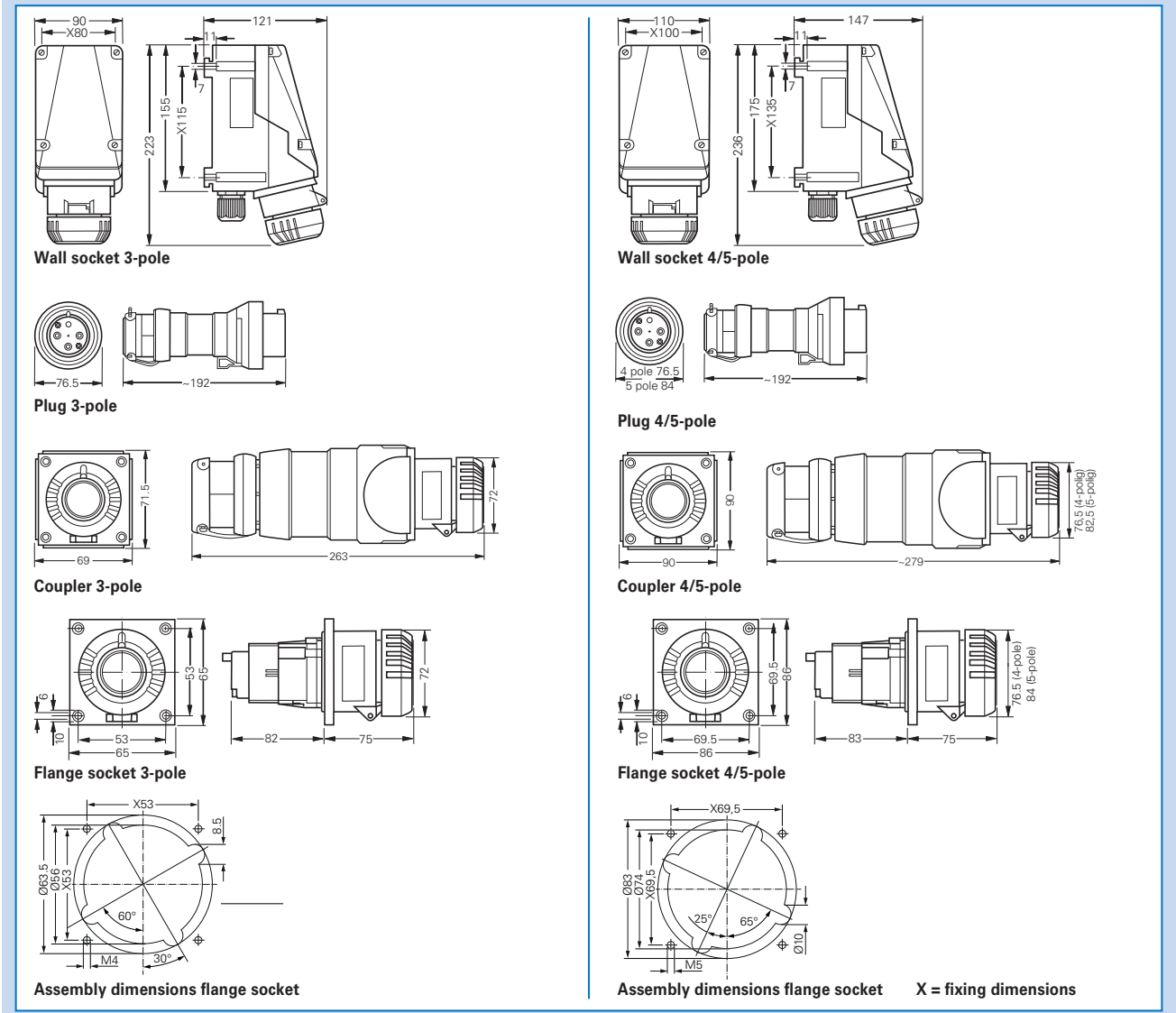
Wall socket

flange socket

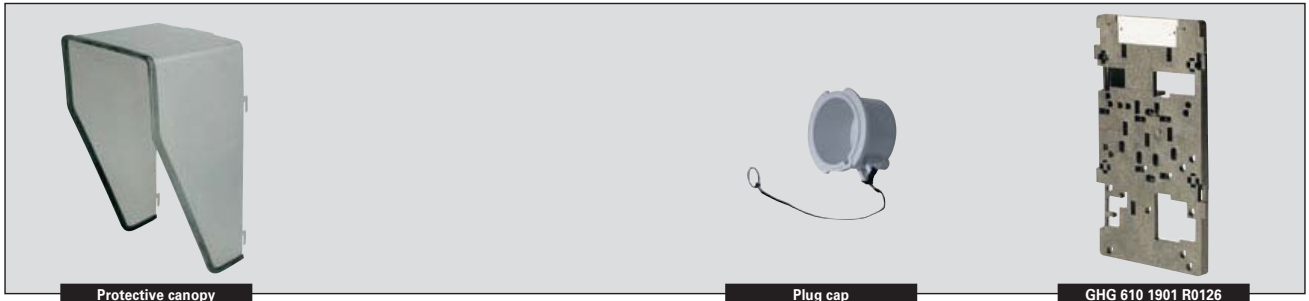
Coupler

Plug

**Dimension drawing | Wiring diagram**



Dimensions in mm



1

**Accessories**

**Mounting plates for wall sockets 16 A**

Type	Application	Fixing method	Order No.
Size 4	for wall mounting	snap on	GHG 610 1953 R0126
Size 4	for trellis mounting	snap on	GHG 610 1953 R0126
Size 4	for pipe clamp	snap on	GHG 610 1953 R0130

**Plug cap for plugs 16 A**

Type	Order No.
Plug 16 A 3-pole	GHG 510 1901 R0001
Plug 16 A 4-pole	GHG 510 1901 R0002
Plug 16 A 5-pole	GHG 510 1901 R0003

**Accessories for mounting plates**

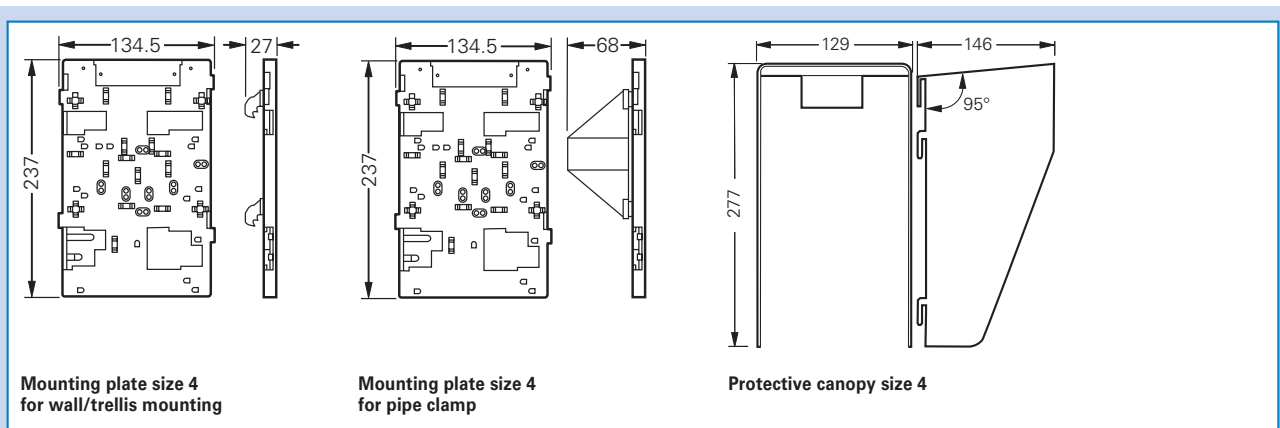
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

Please pay attention that only order units (OU) according to the ordering details can be delivered.

**Protective canopy for mounting plate**

Type	Application	Order No.
Size 4	for mounting plate size 4, snap on	GHG 610 1955 R0107

**Dimension drawing**



Mounting plate size 4 for wall/trellis mounting

Mounting plate size 4 for pipe clamp

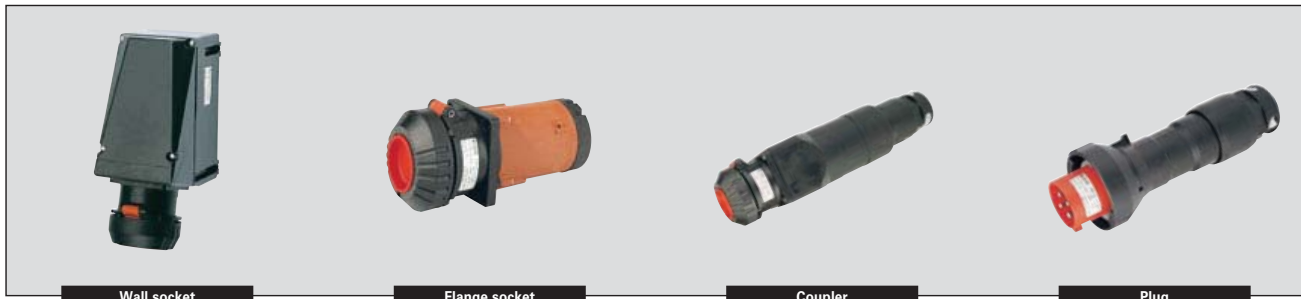
Protective canopy size 4

Dimensions in mm



**32A 4-pole up to 690 V**  
**32A 5-pole up to 415 V**

1



Wall socket

Flange socket

Coupler

Plug

## Technical data

### Ex-plugs and receptacles acc. to IEC 60309-1/2

Marking accd. to 94/9/EC	Ⓔ II 2 G Ex de (ia) IIC T6 / Ⓔ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1041 Flange socket: PTB 99 ATEX 1042 U
IECEX Certificate of Conformity	IECEX BKI 04.0006
Marking accd. to IECEx	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to +40 °C <sup>1)</sup>
Rated voltage	up to 690 V (AC)
Rated current	32 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U <sub>e</sub> 690 V / I <sub>e</sub> 32 A
External back up fuse	without therm. protection: 35 A with therm. protection: 50 A gL (rated current 32 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

#### Wall socket

Cable entry/enclosure drilling	1 x M40 Ø 17 - 28 mm, 1 x M40 plastic Ex-screw plug or 2 x M32 metal thread with 2 plastic Ex-screw plug
Connecting terminals	2 x 4 - 10 mm <sup>2</sup>
Enclosure material	glass-fibre reinforced polyester

#### Plug

Cable entry	Ø 17 - 28 mm
Connecting terminals	1.0 - 6 mm <sup>2</sup>
Enclosure material	Polyamide

#### Coupler

Cable entry	Ø 17 - 28 mm
Connecting terminals	2 x 4 - 10 mm <sup>2</sup>
Enclosure material	Polyamide

#### Flange socket

Connecting terminals	2 x 4 - 10 mm <sup>2</sup>
Enclosure material	Polyamide

1) extended temperature range on request



### Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
<b>Type 32 A 4-pole</b>						
200-250 V		Wall socket	-	KU	1.8 kg	GHG 512 4409 R0001
		Wall socket	-	ME	1.9 kg	GHG 512 4409 R3001
		Wall socket	-	GM	2.0 kg	GHG 512 4409 R3003
		Flange socket			1.0 kg	GHG 512 8409 R0001
		Coupler			1.7 kg	GHG 512 3409 R0001
		Plug			0.7 kg	GHG 512 7409 R0001
380-415 V		Wall socket	-	KU	1.8 kg	GHG 512 4406 R0001
		Wall socket	-	ME	1.9 kg	GHG 512 4406 R3001
		Wall socket	yes	KH	1.8 kg	GHG 512 4406 R0501
		Wall socket	-	GM	2.0 kg	GHG 512 4406 R3003
		Flange socket			1.0 kg	GHG 512 8406 R0001
		Coupler			1.7 kg	GHG 512 3406 R0001
480-500 V		Wall socket	-	KU	1.8 kg	GHG 512 4407 R0001
		Wall socket	-	ME	1.9 kg	GHG 512 4407 R3001
		Wall socket	yes	KH	1.8 kg	GHG 512 4407 R0501
		Flange socket			1.0 kg	GHG 512 8407 R0001
		Coupler			1.7 kg	GHG 512 3407 R0001
		Plug			0.7 kg	GHG 512 7407 R0001
600-690 V		Wall socket	-	KU	1.8 kg	GHG 512 4405 R0001
		Wall socket	-	ME	1.9 kg	GHG 512 4405 R3001
		Wall socket	yes	KH	1.8 kg	GHG 512 4405 R0501
		Flange socket			1.0 kg	GHG 512 8405 R0001
		Coupler			1.7 kg	GHG 512 3405 R0001
		Plug			0.7 kg	GHG 512 7405 R0001
<b>Type 32 A 5-pole</b>						
200-250 V		Wall socket	-	KU	1.8 kg	GHG 512 4506 R0001
380-415 V		Wall socket	-	ME	1.9 kg	GHG 512 4506 R3001
		Wall socket	yes	KH	1.8 kg	GHG 512 4506 R0501
		Wall socket	-	GM	2.0 kg	GHG 512 4506 R3003
		Flange socket			1.0 kg	GHG 512 8506 R0001
		Coupler			1.7 kg	GHG 512 3506 R0001
Plug			0.7 kg	GHG 512 7506 R0001		

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M40 for Ø 17-28 mm, 1 x M40 plastic Ex-screw plug

KH = 1 x plastic cable glands M40 for Ø 17-28 mm,

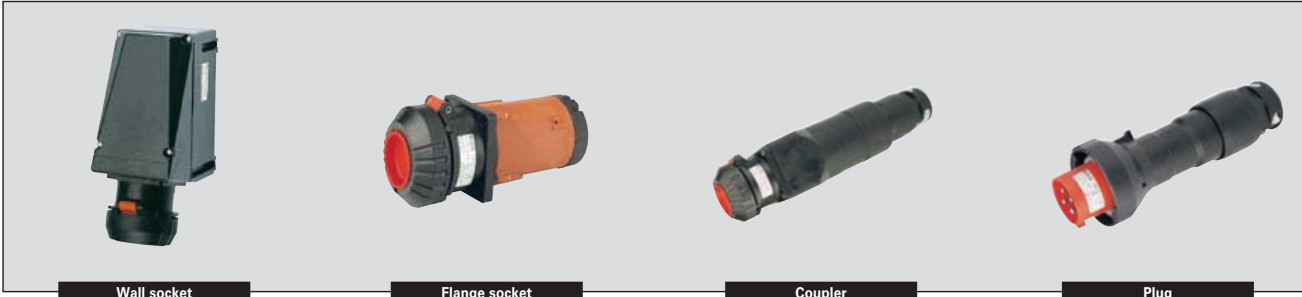
1 x plastic cable glands M25 for Ø 8 - 17 mm, with aux. contact

ME = 2 x metal thread M32 with plastic Ex-screw plug

GM = 2 x metal thread M32 with screw plug, with external earth bolt M6

32A 4-pole up to 690 V |  
32A 5-pole up to 415 V |

1



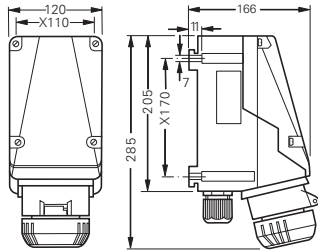
Wall socket

Flange socket

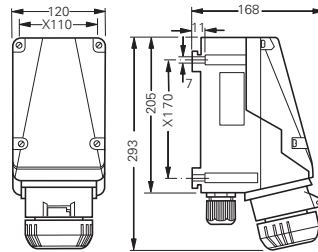
Coupler

Plug

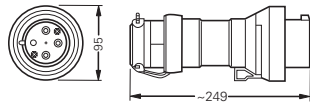
Dimension drawing | Wiring diagram



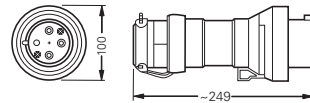
Wall socket 4-pole



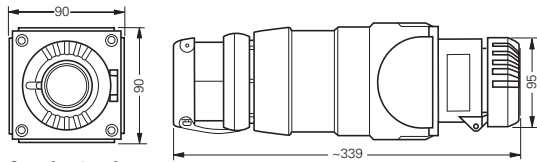
Wall socket 5-pole



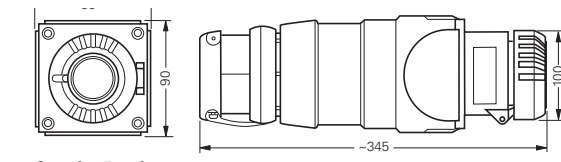
Plug 4-pole



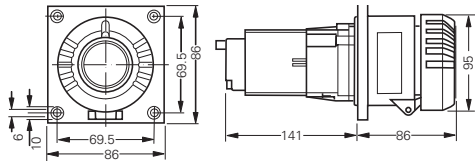
Plug 5-pole



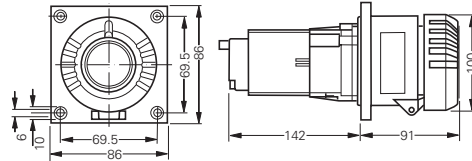
Coupler 4-pole



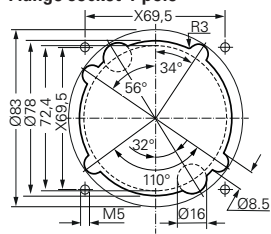
Coupler 5-pole



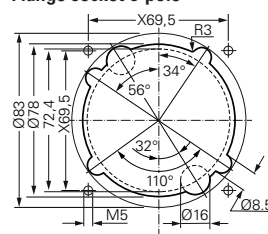
Flange socket 4-pole



Flange socket 5-pole

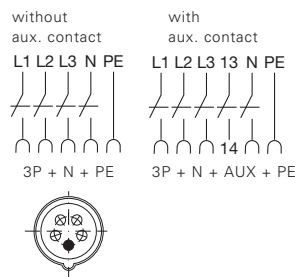
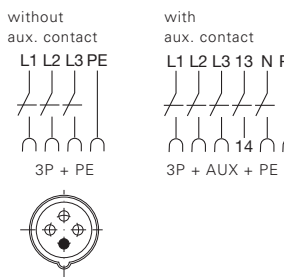


Assembly dimensions flange socket

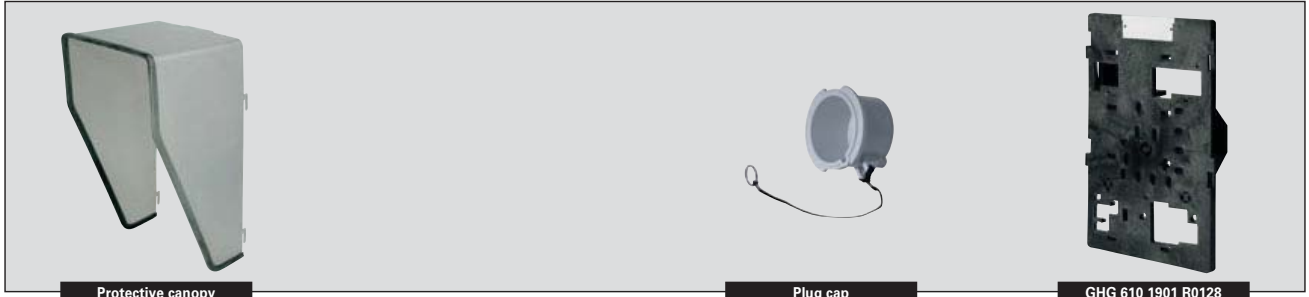


Assembly dimensions flange socket

X = fixing dimensions



Dimensions in mm



1

## Accessories

### Mounting plates for wall sockets 32 A

Type	Application	Fixing method	Order No.
Size 5	for wall mounting	snap on	GHG 610 1953 R0128
Size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Size 5	for pipe clamp	snap on	GHG 610 1953 R0132

### Plug cap for plugs 32 A

Type	Order No.
Plug 32 A 3-pole/4-pole	GHG 510 1901 R0004
Plug 32 A 5-pole	GHG 510 1901 R0005

### Accessories for mounting plates

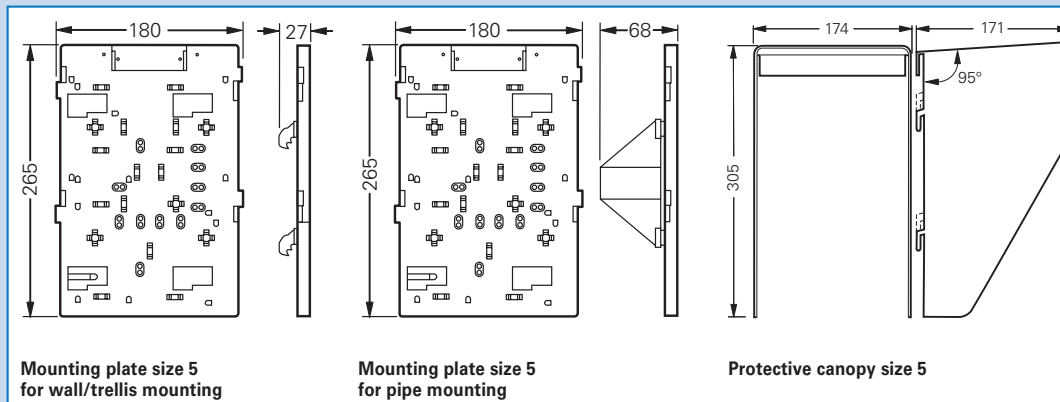
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

Please pay attention that only order units (OU) according to the ordering details can be delivered.

### Protective canopy for mounting plate

Type	Application	Order No.
Size 5	for mounting plate size 5, snap on	GHG 610 1955 R0108

## Dimension drawing

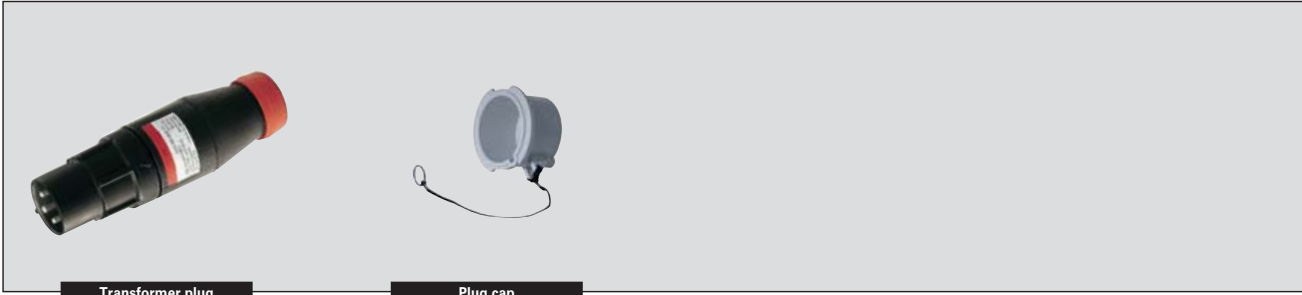


Dimensions in mm



**32A 4-/5-pole transformer plug |  
Plug with fuse |**

1



Transformer plug

Plug cap

**Technical data**

Ex-transformer plug acc. to IEC 60309-1/2, up to 415 V	
Marking accd. to 94/9/EC	II 2 G Ex de IIC T5
EC-Type Examination Certificate	PTB 99 ATEX 1041
IECEX Certificate of Conformity	IECEX BKI 04.0006
Marking accd. to IECEx	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage primary	250 V AC
Rated voltage secondary	24 V, 36 V or 42 V/230 V AC
Frequency	50/60 Hz
Power consumption	max. 65 VA
Back up fuse, internal	0.5 A mT, replaceable
Connecting terminals	1 x 1 - 4 mm <sup>2</sup>
Protection class	I
Degree of protection accd. to EN 60529	IP54
Enclosure material	glass-fibre reinforced polyester, polyamide

**Ordering details**

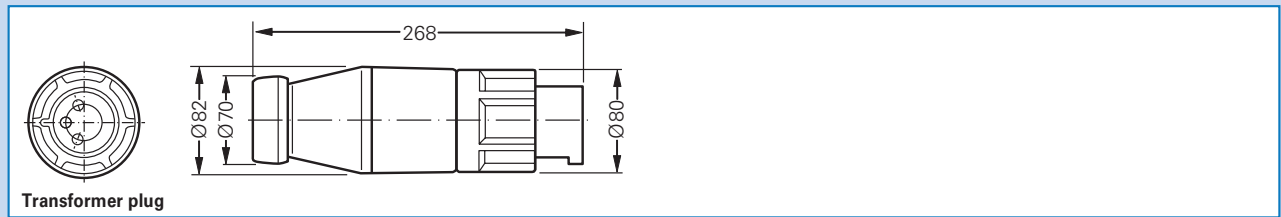
Voltage	h	Type	Weight approx.	Sec voltage	Order No.
<b>32 A transformer plug 4-pole</b>					
200-250 V		Transformer plug 65 VA	2.3 kg	42 V	<b>GHG 532 6469 V0000</b>
		Transformer plug 65 VA	2.3 kg	24 V	<b>GHG 532 6469 V5005</b>
<b>32 A transformer plug 5-pole</b>					
380-415 V		Transformer plug 65 VA	2.3 kg	42 V	<b>GHG 532 6566 V0000</b>
		Transformer plug 65 VA	2.3 kg	24 V	<b>GHG 532 6566 V5005</b>
		Transformer plug 65 VA	2.3 kg	12 V	<b>GHG 532 6566 V5025</b>
		Transformer plug 65 VA	2.3 kg	230 V	<b>GHG 532 6566 V5023</b>
<b>Plug with fuse</b>					
200-250 V		Plug with fuse max. 6.3 A	1.3 kg		<b>GHG 532 7536 V0000</b>
<b>Accessories</b>					
Plug cap 4 pole					<b>GHG 530 1935 R0002</b>
Plug cap 5 pole / plug with fuse					<b>GHG 530 1935 R0005</b>



1

Transformer plug

Dimension drawing



Dimensions in mm

**| 63 A 4- and 5-pole up to 690 V |**

1



**Technical data**

**Ex-plugs and receptacles acc. to IEC 60309-1/2**

Marking accd. to 94/9/EC	⊕ II 2 G Ex de IIC T5/T6 / ⊕ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 00 ATEX 1070
IECEX Certificate of Conformity	IECEX BKI 04.0004
Marking accd. to IECEX	Ex ed IIC T6
Permissible ambient temperature	-20 °C to +40 °C <sup>1)</sup>
Rated voltage	690 V (AC)
Rated current	63 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U <sub>e</sub> 690 V / I <sub>b</sub> 63 A
External back up fuse	without therm. protection: 63 A with therm. protection: 80 A gL (rated current 63 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

**Wall socket**

Cable entry/enclosure drilling	1 x M50 Ø 22 - 35 mm, 1 x M50 plastic Ex-screw plug or 2 x M40 metal thread with 2 plastic Ex-screw plug
Connecting terminals	2 x 4 - 25 mm <sup>2</sup> / with ring cable lug <sup>2)</sup> 1 x 35 mm <sup>2</sup>
Enclosure material	glass-fibre reinforced polyester

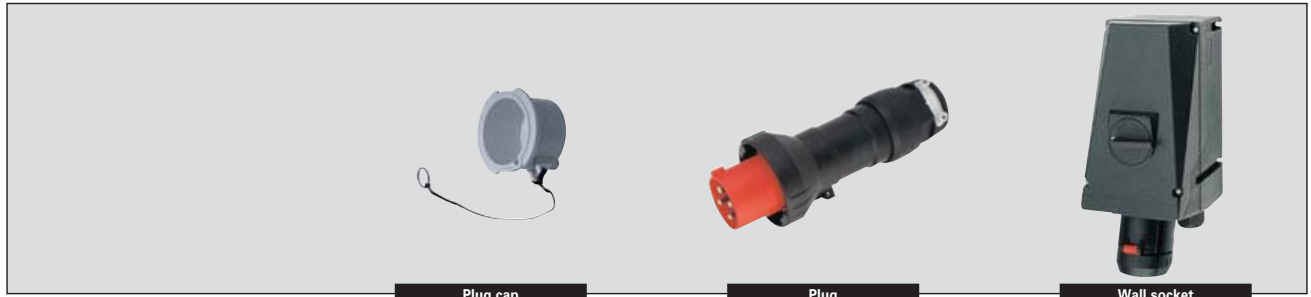
**Plug**

Cable gland	Ø 19 - 34 mm
Connecting terminals	1 x 4 - 16 mm <sup>2</sup> , with cable lug <sup>3)</sup> 1 x 25 mm <sup>2</sup>
Enclosure material	Polyamide

<sup>1)</sup> extended temperature range on request

<sup>2)</sup> use supplied cable lugs

<sup>3)</sup> see accessories







Plug cap

Plug

Wall socket

1

**Ordering details**

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
<b>Type 63 A 4-pole</b>						
200-250 V		Wall socket	-	KU	8.1 kg	<b>GHG 514 4409 R0001</b>
		Wall socket	-	ME	8.2 kg	<b>GHG 514 4409 R3001</b>
		Plug	-		0.75 kg	<b>GHG 514 7409 R0001</b>
380-415 V		Wall socket	-	KU	8.1 kg	<b>GHG 514 4406 R0001</b>
		Wall socket	-	ME	8.2 kg	<b>GHG 514 4406 R3001</b>
		Wall socket	yes	KH	8.2 kg	<b>GHG 514 4406 R0501</b>
		Wall socket	-	GM	8.2 kg	<b>GHG 514 4406 R3017</b>
		Plug	-		0.75 kg	<b>GHG 514 7406 R0001</b>
480-500 V		Wall socket	-	KU	8.1 kg	<b>GHG 514 4407 R0001</b>
		Wall socket	-	ME	8.2 kg	<b>GHG 514 4407 R3001</b>
		Wall socket	yes	KH	8.2 kg	<b>GHG 514 4407 R0501</b>
		Wall socket	-	GM	8.2 kg	<b>GHG 514 4407 R3003</b>
		Plug	-		0.75 kg	<b>GHG 514 7407 R0001</b>
600-690 V		Wall socket	-	KU	8.1 kg	<b>GHG 514 4405 R0001</b>
		Wall socket	-	ME	8.1 kg	<b>GHG 514 4405 R3001</b>
		Wall socket	yes	KH	8.2 kg	<b>GHG 514 4405 R0501</b>
		Wall socket	-	GM	8.2 kg	<b>GHG 514 4405 R3002</b>
		Plug	-		0.75 kg	<b>GHG 514 7405 R0001</b>

<b>Type 63 A 5-pole</b>						
200-250 V		Wall socket	-	KU	8.1 kg	<b>GHG 514 4506 R0001</b>
380-415 V		Wall socket	-	ME	8.1 kg	<b>GHG 514 4506 R3001</b>
		Wall socket	yes	KH	8.2 kg	<b>GHG 514 4506 R0501</b>
		Wall socket	-	GM	8.2 kg	<b>GHG 514 4506 R3018</b>
		Plug	-		0.75 kg	<b>GHG 514 7506 R0001</b>

**Accessories**

Type	OU	Order No.
Set of ring cable lugs 35/70 mm <sup>2</sup> for wall socket (6 + 2 pcs.)	1	<b>GHG 510 1916 R0001</b>
Plug cap 4-pole/5-pole	1	<b>GHG 510 1901 R0006</b>
Set of cable lugs 35 mm <sup>2</sup> (5 pcs., for plug)	5	<b>GHG 510 1916 R0001</b>

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M50 for Ø 22-35 mm, 1 x M50 plastic Ex-screw plug

KH = 1 x plastic cable glands M50 for Ø 22-35 mm,

1 x plastic cable glands M25 for Ø 8 - 17 mm, with aux. contact

ME = 2 x metal thread M40 with plastic Ex-screw plug

GM = 2 x metal thread M40 with screw plug M40 with external earth bolt M8



**| 63 A 4- and 5-pole up to 690 V |**

1

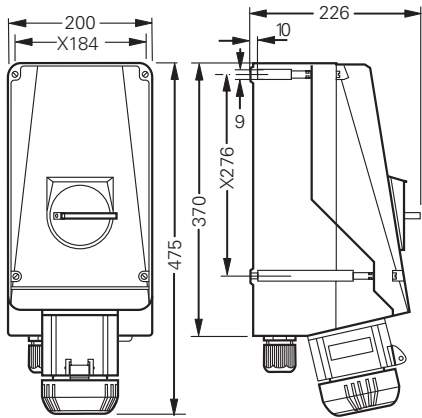


Wall socket

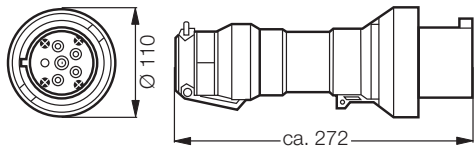


Plug

**Dimension drawing | Wiring diagram**

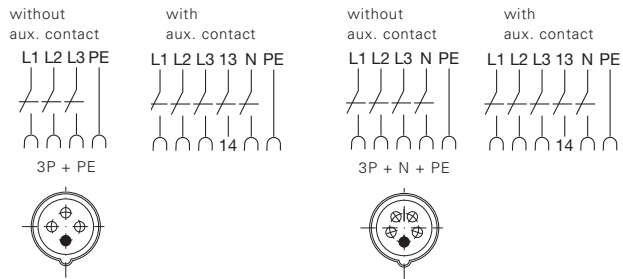


Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions



Dimensions in mm



## Technical data

### Ex-plugs and receptacles acc. to IEC 60309-1/2

Marking accd. to 94/9/EC	⊕ II 2 G Ex de IIC T6 / ⊕ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 01 ATEX 1069
IECEX Certificate of Conformity	IECEX BKI 04.0005
Marking accd. to IECEx	Ex ed IIC T6
Permissible ambient temperature	-20 °C to + 40 °C <sup>1)</sup>
Rated voltage	690 V
Rated current	125 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U <sub>e</sub> 690 V / I <sub>b</sub> 125 A
External back up fuse	without therm. protection: 125 A with therm. protection: 160 A gL (rated current 125 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

### Wall socket

Cable entry/enclosure drilling	1 x M63 Ø 27 - 48 mm, 1 x M63 plastic Ex-screw plug or 2 x M50 metal thread with 2 plastic Ex-screw plug
Connecting terminals	2 x 4 - 70 mm <sup>2</sup> / with ring cable lug <sup>2)</sup> 1 x 120 mm <sup>2</sup>
Enclosure material	glass-fibre reinforced polyester

### Plug

Cable entry	Ø 31 - 55 mm
Connecting terminals	1 x 4 - 35 mm <sup>2</sup> / with pin cable lug <sup>3)</sup> 1 x 50 mm <sup>2</sup>
Enclosure material	Polyamide

<sup>1)</sup> extended temperature range on request

<sup>2)</sup> use supplied cable lugs

<sup>3)</sup> see accessories

## 125A 4- and 5-pole up to 690 V

1



Wall socket



Plug



Plug cap

### Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
<b>Type 125 A 4-pole</b>						
200-250 V		Wall socket	-	KU	12.3 kg	<b>GHG 515 4409 R0001</b>
		Wall socket	-	ME	12.5 kg	<b>GHG 515 4409 R3001</b>
		Wall socket	yes	KH	12.5 kg	<b>GHG 515 4409 R0501</b>
		Plug	-		0.9 kg	<b>GHG 515 7409 R0001</b>
380-415 V		Wall socket	-	KU	12.3 kg	<b>GHG 515 4406 R0001</b>
		Wall socket	-	ME	12.5 kg	<b>GHG 515 4406 R3001</b>
		Wall socket	yes	KH	12.5 kg	<b>GHG 515 4406 R0501</b>
		Wall socket	-	GM	8.2 kg	<b>GHG 515 4406 R3003</b>
		Plug	-		0.9 kg	<b>GHG 515 7406 R0001</b>
480-500 V		Wall socket	-	KU	12.3 kg	<b>GHG 515 4407 R0001</b>
		Wall socket	-	ME	12.5 kg	<b>GHG 515 4407 R3001</b>
		Wall socket	yes	KH	12.5 kg	<b>GHG 515 4407 R0501</b>
		Wall socket	-	GM	8.2 kg	<b>GHG 515 4407 R3002</b>
		Plug	-		0.9 kg	<b>GHG 515 7407 R0001</b>
600-690 V		Wall socket	-	KU	12.3 kg	<b>GHG 515 4405 R0001</b>
		Wall socket	-	ME	12.5 kg	<b>GHG 515 4405 R3001</b>
		Wall socket	yes	KH	12.5 kg	<b>GHG 515 4405 R0501</b>
		Wall socket	-	GM	8.2 kg	<b>GHG 515 4405 R3002</b>
		Plug	-		0.9 kg	<b>GHG 515 7405 R0001</b>
<b>Type 125 A 5-pole</b>						
200-250 V		Wall socket	-	KU	13.0 kg	<b>GHG 515 4506 R0001</b>
380-415 V		Wall socket	-	ME	13.2 kg	<b>GHG 515 4506 R3001</b>
		Wall socket	yes	KH	13.2 kg	<b>GHG 515 4506 R0501</b>
		Wall socket	-	GM	8.2 kg	<b>GHG 515 4506 R3005</b>
		Plug	-		1.2 kg	<b>GHG 515 7506 R0001</b>

### Accessories

Type	OU	Order No.
Plug cap 4-pole/5-pole	1	<b>GHG 510 1901 R0007</b>
Set of ring cable lug 70/120 mm <sup>2</sup> for wall socket (je 4 + 1 pcs.)	1	<b>GHG 260 1911 R0004</b>
Set of cable lugs 50 mm <sup>2</sup> (5 pcs., for plug)	5	<b>GHG 510 1916 R0002</b>

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M63 for Ø 27-48 mm, 1 x M40 plastic Ex-screw plug

KH = 1 x plastic cable glands M63 for Ø 27-48 mm,

1 x plastic cable glands M25 for Ø 8 - 17 mm, with aux. contact

ME = 2 x metal thread M50 with plastic Ex-screw plug

GM = 2 x metal thread M50 with screw plug, with external earth bolt M8



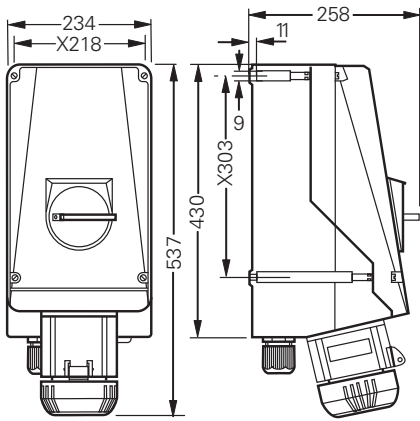
Plug



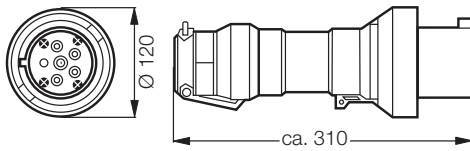
Wall socket

1

Dimension drawing | Wiring diagram



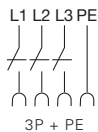
Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions

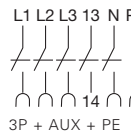
without  
aux. contact



3P + PE

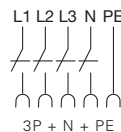


with  
aux. contact



3P + AUX + PE

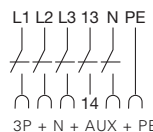
without  
aux. contact



3P + N + PE



with  
aux. contact



3P + N + AUX + PE

Dimensions in mm