



ELECTRICAL CONNECTIVITY: QUICK INSTALLED - BUILD-IN RELIABILITY EASY TO MAINTAIN

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EXLINK 4-POLE/4-POLE + PE

6.6

EXLINK ETHERNET/USB

6.24

EXLINK 6-POLE/6+PE

6.28

MULTI-PURPOSE TERMINAL

6.52

PLUGS AND SOCKETS FOR ZONE 1 10 - 125 A

6.58

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PLUGS AND SOCKETS FOR INDUSTRIAL APPLICATION

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From Ethernet connection to 125 A 3-phase Motors

Connectivity solutions needs various requirements:

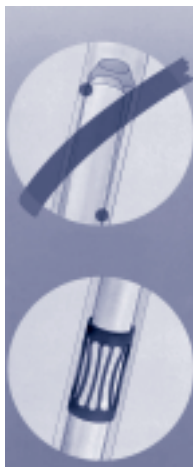
- high-frequency low current for BUS or Ethernet connections
- low voltage with rated current up to 16 A
- rated voltage from 250 V to 750 V and rated current up to 125 A

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 & sockets 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 socket system; inadequately designed contacts mean high insertion and withdrawal forces, unreliable contact-making,

high transition resistances and high thermal loads. The explosion protection stands and falls with these features. The self-cleaning EEx-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 sockets 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, cold 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 a 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 interlock switch warranties 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.

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.



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.

Here 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



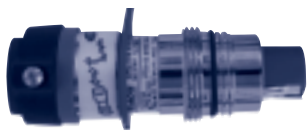
The material used here is a heavy-duty, impact resistant polyamide that, even in the event of extreme fluctuations in temperature, retains its high material properties.

• Nickel-plated brass



The use of this material has proved 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 substances.

• AISI 316L stainless steel



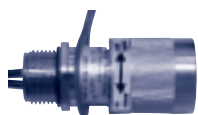
This material is used if aggressive environmental influences, such as salt water, acids, alkalis, place particularly high demands on the corrosion resistance and mechanical stress of a component. Stainless steel receptacles and inlets are also used for the connection of flameproof apparatus.

• 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 armouring 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.

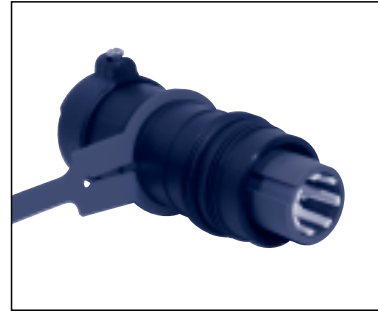
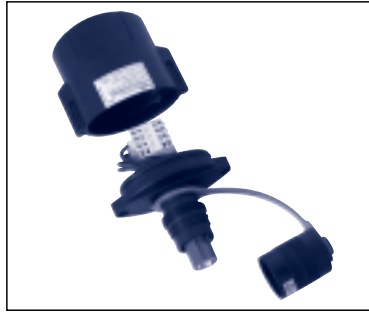
• Threads:



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.

What is eXLink?



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 (male), must not be live when disconnected (**passive component**).



• Connector:

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



• Receptacle:

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



• Inlet:

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



• Y-adaptor Junction-box:

Suitable for connecting field devices to a data line – two cable entries and optional one eXLink receptacle or inlet with contact sockets (**active component**) or inlet with plug pins (**passive component**).



• Y-adaptor Junction-unit:

Suitable for connecting field devices to a data line – 3 eXLink, optional receptacle with contact sockets (**active component**) or inlet with plug pins (**passive component**).



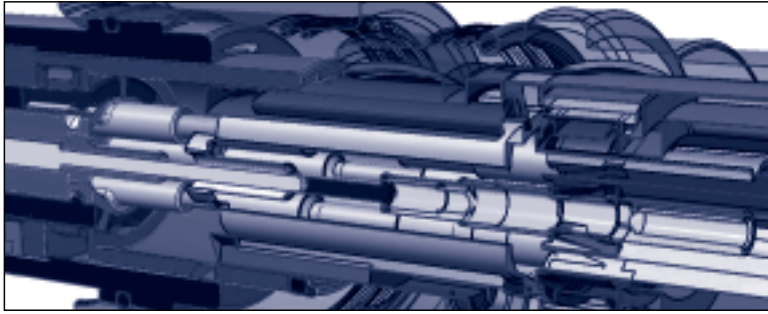
• Elbow:

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.



• 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.



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 the IEC 309 system 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).

Connection types

The eXLink is available in two connection types:

• Crimp connection

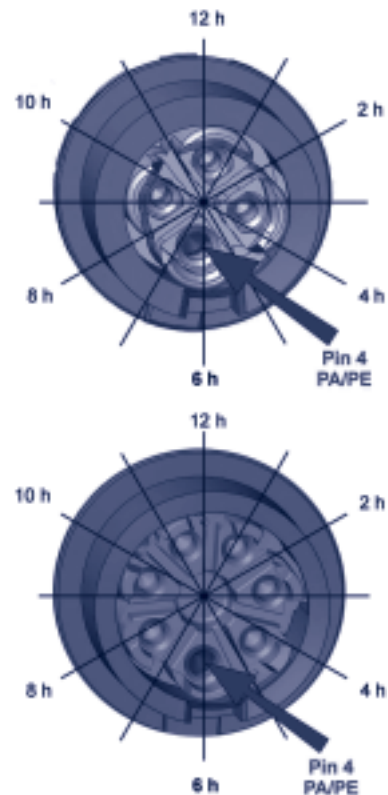
The conductors are crimped directly into the contact pins. The crimp connection is suitable for all cables from 0.75 to 1.5 mm² or in a second version for 2.5 mm². Smaller cables can be soldered.

• Cage clamp terminal

This solution allows conductors between 0.5 and 1.0 mm² 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.

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.



Providing flexible power supply and BUS-connection there, where it is needed – even in hazardous areas for the Zones 1, 2, 21 and 22.

The eXLink 4-pole/4+1 pole is a complete system for connecting and disconnecting products electrically. Supplying from low voltage BUS signals up to 250 V AC / 10 A electrical power the full range of connectors and receptacles are available with moulded plastic enclosure as well as nickel-plated brass or stainless steel enclosures.

A time coding, following the IEC 309 system secures from misconnections of non-compatible voltage levels. Only connectors and plugs with the same voltage level can be plugged together.

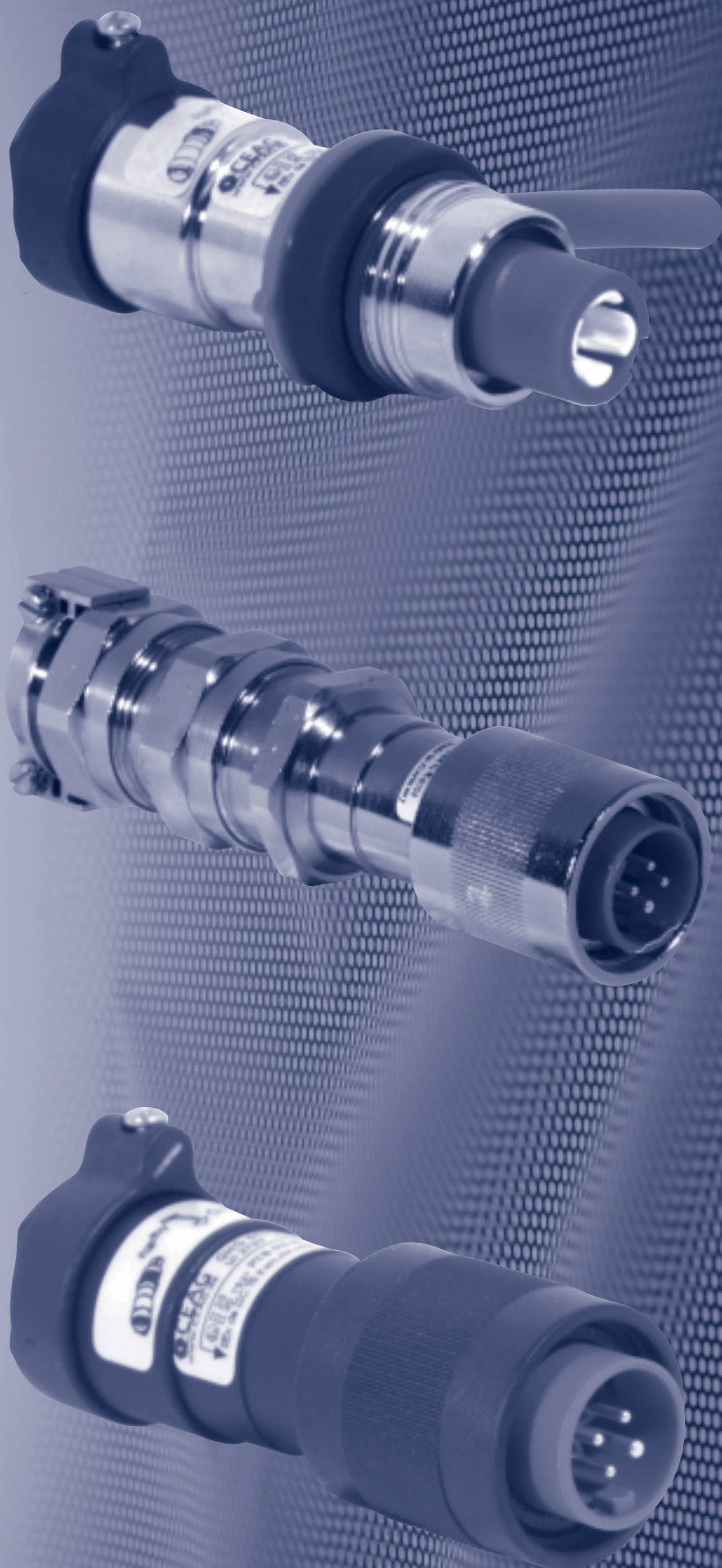
The well-known and reliable bonding technique “crimp connection” for wire size of 0.75 mm² up to 1.5 mm² and optional 2.5 mm² is used for wire connection to the pins. Additionally a screw-less technique “cage clamp” can be used for selected types.

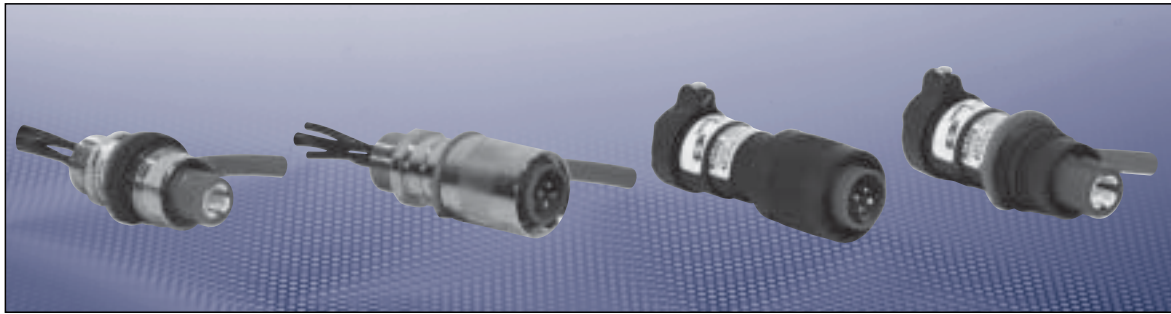
A special plug and connector for the use of armoured cable with armouring diameter up to 1.5 mm is available.

The Receptacle and the Inlet are equipped with metric thread M20 x 1.5 or 1/2" NPT thread to screw directly into electrical apparatus. All metal versions can be used directly into Ex-d enclosures without additionally certification.

All eXLink plugs, inlets, receptacle and connectors are designed for hot swapping of apparatus in hazardous areas without disconnecting terminals, without shutting down circuits and without a “hot work permit”!

- Hot swap
- Standard IP protection IP66/IP68
- Permissible ambient temperature form -55 to +70 °C
- Up to 250 V 10 A
- Stainless steel or nickel plated brass enclosures for highest mechanical protection
- Max. 4 pole + PE connections
- UL certified
- Mining (EX I M2) certified

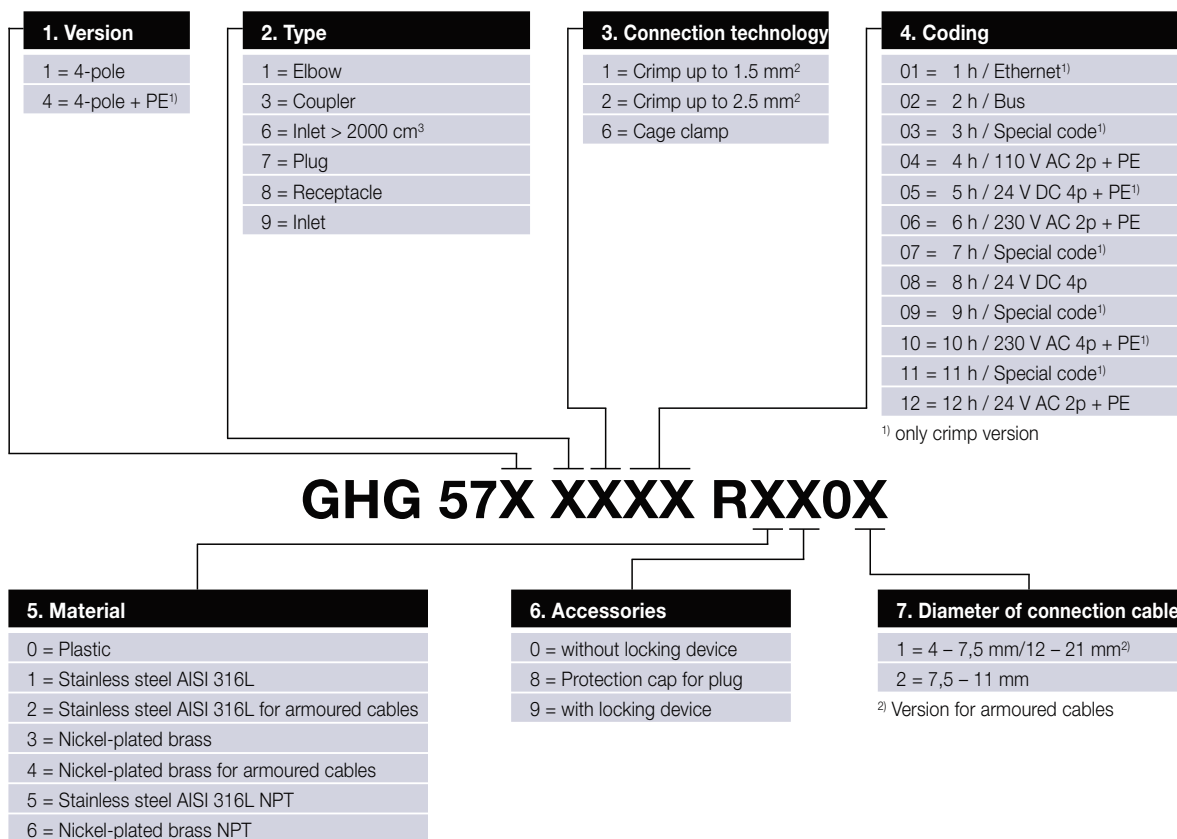




Technical data

eXLink 4-pole/ 4-pole + PE		
Marking to 94/9/EC	Ⓔ II 2 G EEx de IIC T6 / Ⓔ II 2 D IP66 T52 °C	
EC-Type Examination Certificate	PTB 03 ATEX 1016 X	
IECEX certification of conformity	IECEX BKI 06.0005X	
Type of protection (IECEX)	Ex ed IIC T6 Ex tD A21 IP66 T52 °C	
Permissible ambient temperature	-55 °C up to +40 °C (Rated current 10 A)	
Extended temperature range	-55 °C up to +75 °C (Rated current 2 A)	
Elbow, plastic	-20 °C up to +40 °C	
Store temperature in original wrapping	-55 °C up to +80 °C	
Frequency range	0-100 MHz, fast Ethernet compatible	
Transmission performance acc. to TIA/EIA-568-B.2	Category 5e up to 100 Mbaud	
Rated voltage	AC up to 250 V, 50/60 Hz / DC up to 60 V	
Rated current	max. 10 A	
Switching capacity acc. EN 61 984	AC:	250 V / 10 A
	DC:	60 V / 2.5 A
Switching capacity acc. EN 60 947-4	AC-3:	250 V / 1 A
	DC-3:	60 V / 0.5 A
Back-up fuse max. without thermal protection	10 A	
Back-up fuse max. with thermal protection	20 A gL	
Insulation class acc. EN 60598	II: plastic / I: metal	
Terminal cross section		
Plug, coupler	Crimp 1.5 mm ² :	0.75 - 1.5 mm ² / Solder: 0.34 - 1.0 mm ²
	Crimp 2.5 mm ² :	2.5 mm ²
	Cage clamp ¹⁾ :	0.5 - 1.0 mm ² multi wire, 0.5 - 1.5 mm ² single wire
Inlet, receptacle in plastic	Crimp 1.5 mm ² :	0.75 - 1.5 mm ² / Solder: 0.34 - 1.0 mm ²
	Crimp 2.5 mm ² :	2.5 mm ² / 30 cm multi wire 1.5 mm ² /2.5 mm ²
Inlet, receptacle in metal	30 cm multi wire: 1.5 mm ² / 2.5 mm ²	
Cable entry plug and coupler	Ø 4 - 7.5 mm / Ø 7.5 - 11.0 mm	
Cable entry plug and coupler for armoured cables	external isol. Ø 12 - 21 mm / internal isol. Ø 8.5 - 16 mm / armouring 0 - 1.5 mm	
Cable entry inlet and receptacle	M20 x 1.5 / 1/2" NPT	
Degree of protection EN 60529	IP66/IP68 with closed and locked protective caps or duly plugged and locked components	
Enclosure material		
Plug, coupler, inlet < 2000 cm ³ and receptacle		
	Polyamide, nickel plate brass or stainless steel AISI 316L	
Inlet > 2000 cm ³ and plug/coupler for armoured cables	Nickel plated brass or stainless steel AISI 316L	

¹⁾ not for 4-pole + PE

| eXLink 4-pole/4-pole + PE |**Ordering key eXLink 4-pole/4-pole + PE****Version for possible configurations**

	Plastic	Nickel-plated brass	Stainless steel	Crimp 1.5 mm ²	Crimp 2.5 mm ²	Solder	Cage clamp	15 cm multi wire 1.5 mm ²	15 cm multi wire 2.5 mm ²	30 cm multi wire 1.5 mm ²	30 cm multi wire 2.5 mm ²	xx cm multi wire ³⁾	Cable entries Ø 4 - 7.5 mm	Cable entries Ø 7.5 - 11 mm	Cable entries Ø 12 - 21 mm	M20 x 1.5	1/2" NPT
Plug 4-pole	x	x	x	x	x	x	x						x	x			
Plug 4-pole + PE	x	x	x	x	x	x							x	x			
Coupler 4-pole	x	x	x	x	x	x	x						x	x			
Coupler 4-pole + PE	x	x	x	x	x	x							x	x			
Plug for armoured cables 4-pole		x	x	x	x	x	x								x		
Plug for armoured cables 4-pole + PE		x	x	x	x	x									x		
Coupler for armoured cables 4-pole		x	x	x	x	x	x								x		
Coupler for armoured cables 4-pole + PE		x	x	x	x	x									x		
Inlet for EEx e enclosure (pole)	x	x	x	x	x	x		x	x	x	x	x				x	x
Inlet for EEx d enclosure < 2000 cm ³ (pole)		x	x					x	x	x	x	x				x	x
Inlet for EEx d enclosure > 2000 cm ³ (pole)		x	x					x	x	x	x	x				x	x
Receptacle for EEx e enclosure (pole)	x	x	x	x	x	x		x	x	x	x	x				x	x
Receptacle for EEx d enclosure (pole) (no restriction on free volume)		x	x					x	x	x	x	x				x	x
Elbow for EEx e enclosure (pole)	x	x	x													x	x
Elbow for EEx d enclosure (pole)		x	x													x	x

³⁾ on customers request

For customers who wants to configure the needed eXLink easily and fast
Cooper Crouse-Hinds offers via the Internet separate tool to select the right type
and order No.: http://www.ceag.de/en/Explosion_Protection/What_is_eXLink/

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Ordering key eXLink plug 4-pole

GHG 571 7XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Diameter of connection cable
1 = Crimp up to 1.5 mm ²	02 = 2 h	0 = Plastic	0 = without locking device	1 = 4 – 7.5 mm
2 = Crimp up to 2.5 mm ²	04 = 4 h	1 = Stainless steel AISI 316L	8 = with protection cap	2 = 7.5 – 11 mm
6 = Cage-clamp	06 = 6 h	3 = Nickel-plated brass	9 = with locking device	
	08 = 8 h			
	12 = 12 h			

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable	
				4 – 7.5 mm Order No.	7.5 – 11 mm Order No.
Plug made of plastic					
BUS	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 7102 R0001	GHG 571 7102 R0002
BUS	3-pol + PA	2 h	Cage clamp	GHG 571 7602 R0001	GHG 571 7602 R0002
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 7104 R0001	GHG 571 7104 R0002
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 7204 R0001	GHG 571 7204 R0002
110 V AC	2-pol + PE	4 h	Cage clamp	GHG 571 7604 R0001	GHG 571 7604 R0002
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 7106 R0001	GHG 571 7106 R0002
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 7206 R0001	GHG 571 7206 R0002
230 V AC	2-pol + PE	6 h	Cage clamp	GHG 571 7606 R0001	GHG 571 7606 R0002
24 V DC	4-pol	8 h	Crimp up to 1.5 mm ²	GHG 571 7108 R0001	GHG 571 7108 R0002
24 V DC	4-pol	8 h	Crimp up to 2.5 mm ²	GHG 571 7208 R0001	GHG 571 7208 R0002
Plug made of nickel-plated brass					
BUS	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 7102 R3001	GHG 571 7102 R3002
BUS	3-pol + PA	2 h	Cage clamp	GHG 571 7602 R3001	GHG 571 7602 R3002
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 7104 R3001	GHG 571 7104 R3002
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 7204 R3001	GHG 571 7204 R3002
110 V AC	2-pol + PE	4 h	Cage clamp	GHG 571 7604 R3001	GHG 571 7604 R3002
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 7106 R3001	GHG 571 7106 R3002
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 7206 R3001	GHG 571 7206 R3002
230 V AC	2-pol + PE	6 h	Cage clamp	GHG 571 7606 R3001	GHG 571 7606 R3002
Plug made of stainless steel					
BUS	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 7102 R1001	GHG 571 7102 R1002
BUS	3-pol + PA	2 h	Cage clamp	GHG 571 7602 R1001	GHG 571 7602 R1002
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 7104 R1001	GHG 571 7104 R1002
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 7204 R1001	GHG 571 7204 R1002
110 V AC	2-pol + PE	4 h	Cage clamp	GHG 571 7604 R1001	GHG 571 7604 R1002
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 7106 R1001	GHG 571 7106 R1002
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 7206 R1001	GHG 571 7206 R1002
230 V AC	2-pol + PE	6 h	Cage clamp	GHG 571 7606 R1001	GHG 571 7606 R1002



Ordering key eXLink plug 4-pole + PE

GHG 574 7XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Diameter of connection cable
1 = Crimp up to 1.5 mm ² 2 = Crimp up to 2.5 mm ²	01 = 1 h 05 = 5 h 10 = 10 h	0 = Plastic 1 = Stainless steel AISI 316L 3 = Nickel-plated brass	0 = without locking device 8 = with protection cap 9 = with locking device	1 = 4 – 7.5 mm 2 = 7.5 – 11 mm

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable	
				4 – 7,5 mm Order No.	7,5 – 11 mm Order No.
Plung made of plastic version					
Ethernet/Bus	4 pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 7101 R0001	GHG 574 7101 R0002
24 V DC	4 pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 7105 R0001	GHG 574 7105 R0002
24 V DC	4 pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 7205 R0001	GHG 574 7205 R0002
230 V AC	4 pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 7110 R0001	GHG 574 7110 R0002
230 V AC	4 pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 7210 R0001	GHG 574 7210 R0002
Plug made of nickel-plated brass					
Ethernet/Bus	4 pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 7101 R3001	GHG 574 7101 R3002
24 V DC	4 pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 7105 R3001	GHG 574 7105 R3002
24 V DC	4 pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 7205 R3001	GHG 574 7205 R3002
230 V AC	4 pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 7110 R3001	GHG 574 7110 R3002
230 V AC	4 pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 7210 R3001	GHG 574 7210 R3002
Plug made of stainless steel					
Ethernet/Bus	4 pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 7101 R1001	GHG 574 7101 R1002
24 V DC	4 pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 7105 R1001	GHG 574 7105 R1002
24 V DC	4 pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 7205 R1001	GHG 574 7205 R1002
230 V AC	4 pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 7110 R1001	GHG 574 7110 R1002
230 V AC	4 pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 7210 R1001	GHG 574 7210 R1002



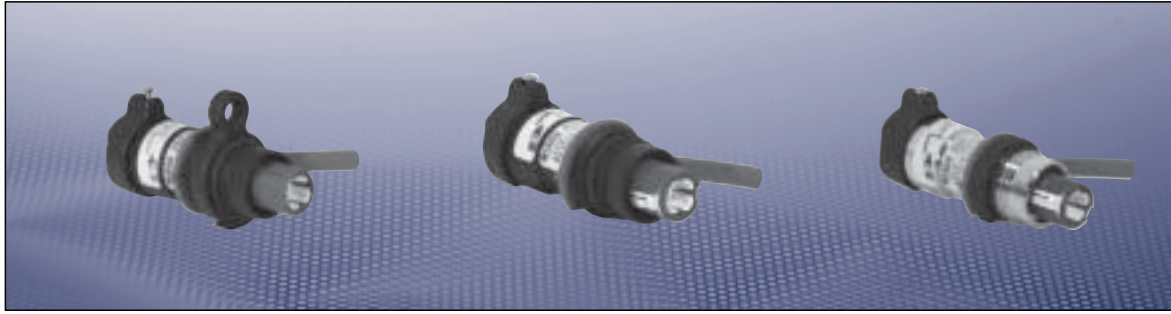
Ordering key eXLink coupler 4-pole

GHG 571 3XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Diameter of connection cable
1 = Crimp up to 1.5 mm ²	02 = 2 h	0 = Plastic	0 = without locking device	1 = 4 – 7.5 mm
2 = Crimp up to 2.5 mm ²	04 = 4 h	1 = Stainless steel AISI 316L	9 = with locking device	2 = 7.5 – 11 mm
6 = Cage-clamp	06 = 6 h	3 = Nickel-plated brass		
	08 = 8 h			
	12 = 12 h			

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable	
				4 – 7.5 mm Order No.	7.5 – 11 mm Order No.
Coupler made of plastic					
BUS	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 3102 R0001	GHG 571 3102 R0002
BUS	3-pol + PA	2 h	Cage clamp	GHG 571 3602 R0001	GHG 571 3602 R0002
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 3104 R0001	GHG 571 3104 R0002
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 3204 R0001	GHG 571 3204 R0002
110 V AC	2-pol + PE	4 h	Cage clamp	GHG 571 3604 R0001	GHG 571 3604 R0002
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 3106 R0001	GHG 571 3106 R0002
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 3206 R0001	GHG 571 3206 R0002
230 V AC	2-pol + PE	6 h	Cage clamp	GHG 571 3606 R0001	GHG 571 3606 R0002
24 V DC	4-pol	8 h	Crimp up to 1.5 mm ²	GHG 571 3108 R0001	GHG 571 3108 R0002
24 V DC	4-pol	8 h	Crimp up to 2.5 mm ²	GHG 571 3208 R0001	GHG 571 3208 R0002
Coupler made of nickel-plated brass					
BUS	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 3102 R3001	GHG 571 3102 R3002
BUS	3-pol + PA	2 h	Cage clamp	GHG 571 3602 R3001	GHG 571 3602 R3002
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 3104 R3001	GHG 571 3104 R3002
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 3204 R3001	GHG 571 3204 R3002
110 V AC	2-pol + PE	4 h	Cage clamp	GHG 571 3604 R3001	GHG 571 3604 R3002
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 3106 R3001	GHG 571 3106 R3002
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 3206 R3001	GHG 571 3206 R3002
230 V AC	2-pol + PE	6 h	Cage clamp	GHG 571 3606 R3001	GHG 571 3606 R3002
24 V DC	4-pol	8 h	Crimp up to 1.5 mm ²	GHG 571 3108 R3001	GHG 571 3108 R3002
24 V DC	4-pol	8 h	Crimp up to 2.5 mm ²	GHG 571 3208 R3001	GHG 571 3208 R3002
Coupler made of stainless-steel					
BUS	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 3102 R1001	GHG 571 3102 R1002
BUS	3-pol + PA	2 h	Cage clamp	GHG 571 3602 R1001	GHG 571 3602 R1002
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 3104 R1001	GHG 571 3104 R1002
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 3204 R1001	GHG 571 3204 R1002
110 V AC	2-pol + PE	4 h	Cage clamp	GHG 571 3604 R1001	GHG 571 3604 R1002
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 3106 R1001	GHG 571 3106 R1002
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 3206 R1001	GHG 571 3206 R1002



Ordering key eXLink coupler 4-pole + PE

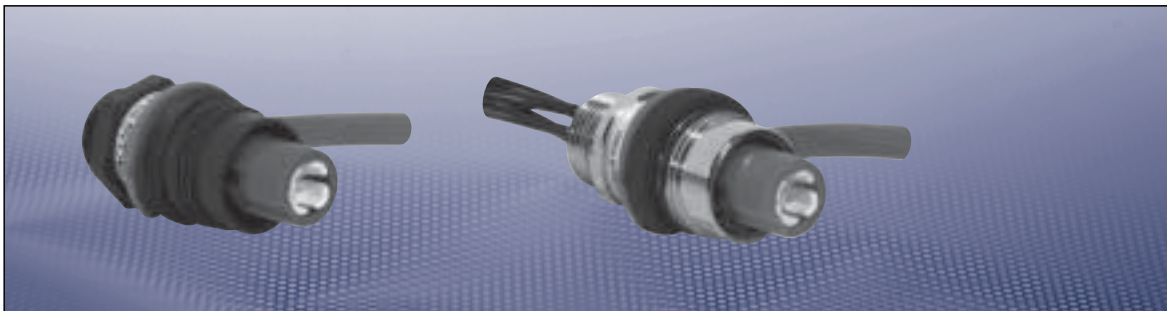
GHG 574 3XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Diameter of connection cable
1 = Crimp up to 1.5 mm ² 2 = Crimp up to 2.5 mm ²	01 = 1 h 05 = 5 h 10 = 10 h	0 = Plastic 1 = Stainless steel AISI 316L 3 = Nickel-plated brass	0 = without locking device 9 = with locking device	1 = 4 – 7.5 mm 2 = 7.5 – 11 mm

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable	
				4 – 7.5 mm Order No.	7.5 – 11 mm Order No.
Coupler made of plastic					
Ethernet/Bus	4-pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 3101 R0001	GHG 574 3101 R0002
24 V DC	4-pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 3105 R0001	GHG 574 3105 R0002
24 V DC	4-pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 3205 R0001	GHG 574 3205 R0002
230 V AC	4-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 3110 R0001	GHG 574 3110 R0002
230 V AC	4-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 3210 R0001	GHG 574 3210 R0002
Coupler made of nickel-plated brass					
Ethernet/Bus	4-pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 3101 R3001	GHG 574 3101 R3002
24 V DC	4-pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 3105 R3001	GHG 574 3105 R3002
24 V DC	4-pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 3205 R3001	GHG 574 3205 R3002
230 V AC	4-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 3110 R3001	GHG 574 3110 R3002
230 V AC	4-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 3210 R3001	GHG 574 3210 R3002
Coupler made of stainless steel					
Ethernet/Bus	4-pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 3101 R1001	GHG 574 3101 R1002
24 V DC	4-pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 3105 R1001	GHG 574 3105 R1002
24 V DC	4-pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 3205 R1001	GHG 574 3205 R1002
230 V AC	4-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 3110 R1001	GHG 574 3110 R1002
230 V AC	4-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 3210 R1001	GHG 574 3210 R1002

| eXLink 4-pole |



Ordering key eXLink receptacle 4-pole

Metal version also for Ex-d applications without restriction of volume

GHG 571 8XXX RXX0X

X = Count No.

1. Connection technology

- 1 = Crimp¹⁾/30 cm multi wire up to 1.5 mm²
- 2 = Crimp¹⁾/30 cm multi wire up to 2.5 mm²

¹⁾ only plastic version

2. Coding

- 02 = 2 h
- 04 = 4 h
- 06 = 6 h
- 08 = 8 h
- 12 = 12 h

3. Material

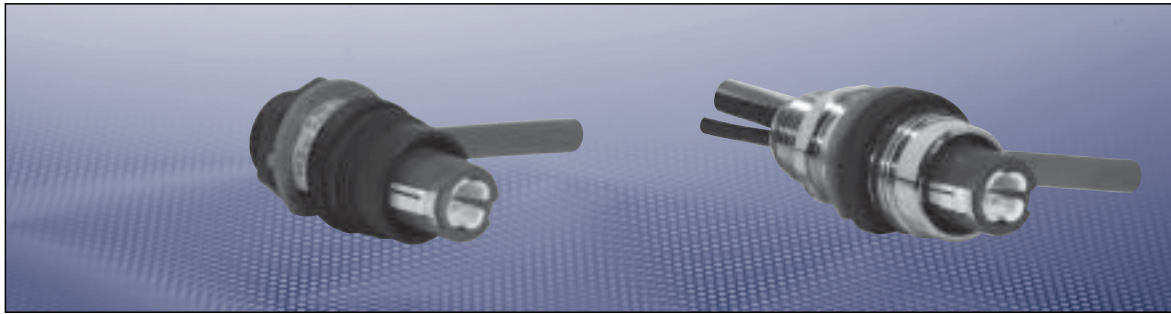
- 0 = Plastic
- 1 = Stainless steel AISI 316L with M20 thread
- 3 = Nickel-plated brass with M20 thread
- 5 = Stainless steel AISI 316L with 1/2" NPT thread
- 6 = Nickel-plated brass with 1/2" NPT thread

4. Diameter of connection cable

- 0 = without locking device
- 9 = with locking device

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M20 x 1.5 Order No.	1/2" NPT Order No.	
Receptacle made of plastic						
BUS	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 8102 R0001	Only available in metal version!	
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 8104 R0001		
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 8204 R0001		
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 8106 R0001		
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 8206 R0001		
24 V DC	4-pol	8 h	Crimp up to 1.5 mm ²	GHG 571 8108 R0001		
24 V DC	4-pol	8 h	Crimp up to 2.5 mm ²	GHG 571 8208 R0001		
24 V AC	2-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 571 8112 R0001		
24 V AC	2-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 571 8212 R0001		
BUS	3-pol + PA	2 h	30 cm multi wire 1.5 mm ²	GHG 571 8102 R0002	Only available in metal version!	
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 571 8104 R0002		
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 571 8204 R0002		
230 V AC	2-pol + PE	6 h	11 cm multi wire 1.5 mm ²	GHG 571 8106 R0002		
230 V AC	2-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 571 8106 R0003		
230 V AC	2-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 571 8206 R0002		
24 V DC	4-pol	8 h	30 cm multi wire 1.5 mm ²	GHG 571 8108 R0002		
24 V DC	4-pol	8 h	30 cm multi wire 2.5 mm ²	GHG 571 8208 R0002		
24 V AC	2-pol + PE	12 h	30 cm multi wire 1.5 mm ²	GHG 571 8112 R0002		
24 V AC	2-pol + PE	12 h	30 cm multi wire 2.5 mm ²	GHG 571 8212 R0002		
Receptacle made of nickel-plated brass						
BUS	3-pol + PA	2 h	30 cm multi wire 1.5 mm ²	GHG 571 8102 R3001		GHG 571 8102 R6001
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 571 8104 R3001	GHG 571 8104 R6001	
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 571 8204 R3001	GHG 571 8204 R6001	
230 V AC	2-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 571 8106 R3001	GHG 571 8106 R6001	
Receptacle made of stainless steel						
BUS	3-pol + PA	2 h	30 cm multi wire 1.5 mm ²	GHG 571 8102 R1001	GHG 571 8102 R5001	
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 571 8104 R1001	GHG 571 8104 R5001	
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 571 8204 R1001	GHG 571 8204 R5001	



Ordering key eXLink receptacle 4-pole + PE

Metal version also for Ex-d applications without restriction of volume

GHG 574 8XXX RXX0X

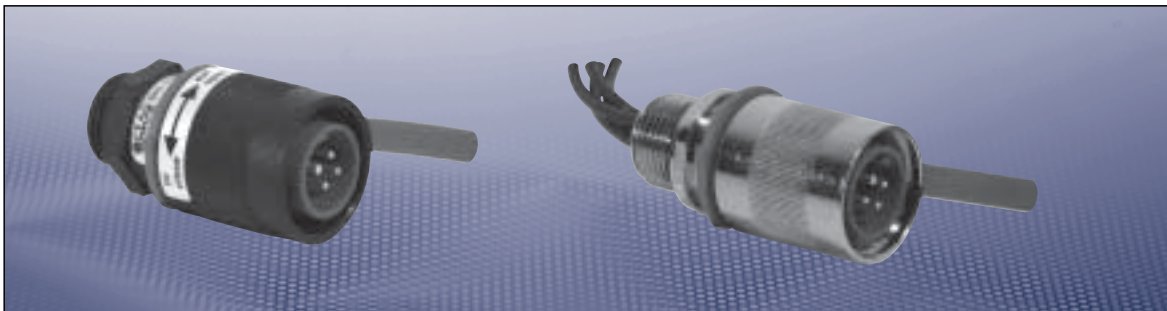
X = Count No.

1. Connection technology	2. Coding	3. Material	4. Diameter of connection cable
1 = Crimp ¹⁾ /30 cm multi wire up to 1.5 mm ²	01 = 1 h	0 = Plastic	0 = without locking device
2 = Crimp ¹⁾ /30 cm multi wire up to 2.5 mm ²	05 = 5 h	1 = Stainless steel AISI 316L with M20 thread	9 = with locking device
¹⁾ only plastic version	10 = 10 h	3 = Nickel-plated brass with M20 thread	
		5 = Stainless steel AISI 316L with 1/2" NPT thread	
		6 = Nickel-plated brass with 1/2" NPT thread	

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M20 x 1.5 Order No.	1/2" NPT Order No.
Receptacle made of plastic					
Ethernet/Bus	4-pol + PA	1 h	Crimp up to 1.5 mm²	GHG 574 8101 R0001	Only available in metal version!
24 V DC	4-pol + PE	5 h	Crimp up to 1.5 mm²	GHG 574 8105 R0001	
24 V DC	4-pol + PE	5 h	Crimp up to 2.5 mm²	GHG 574 8205 R0001	
230 V AC	4-pol + PE	10 h	Crimp up to 1.5 mm²	GHG 574 8110 R0001	
230 V AC	4-pol + PE	10 h	Crimp up to 2.5 mm²	GHG 574 8210 R0001	
Ethernet/Bus	4-pol + PA	1 h	30 cm multi wire 1.5 mm²	GHG 574 8101 R0001	Only available in metal version!
24 V DC	4-pol + PE	5 h	30 cm multi wire 1.5 mm²	GHG 574 8105 R0002	
24 V DC	4-pol + PE	5 h	30 cm multi wire 2.5 mm²	GHG 574 8205 R0002	
230 V AC	4-pol + PE	6 h	11 cm multi wire 1.5 mm²	GHG 574 8106 R0002	
230 V AC	4-pol + PE	10 h	30 cm multi wire 1.5 mm²	GHG 574 8110 R0002	
230 V AC	4-pol + PE	10 h	30 cm multi wire 2.5 mm²	GHG 574 8210 R0002	
Receptacle made of nickel-plated brass					
Ethernet/Bus	4-pol + PA	1 h	30 cm multi wire 1.5 mm²	GHG 574 8101 R3001	GHG 574 8101 R6001
24 V DC	4-pol + PE	5 h	30 cm multi wire 1.5 mm²	GHG 574 8105 R3001	GHG 574 8105 R6001
24 V DC	4-pol + PE	5 h	30 cm multi wire 2.5 mm²	GHG 574 8205 R3001	GHG 574 8205 R6001
230 V AC	4-pol + PE	10 h	30 cm multi wire 1.5 mm²	GHG 574 8110 R3001	GHG 574 8110 R6001
230 V AC	4-pol + PE	10 h	30 cm multi wire 2.5 mm²	GHG 574 8210 R3001	GHG 574 8210 R6001
Receptacle made of stainless steel					
Ethernet/Bus	4-pol + PA	1 h	30 cm multi wire 1.5 mm²	GHG 574 8101 R1001	GHG 574 8101 R5001
24 V DC	4-pol + PE	5 h	30 cm multi wire 1.5 mm²	GHG 574 8105 R1001	GHG 574 8105 R5001
24 V DC	4-pol + PE	5 h	30 cm multi wire 2.5 mm²	GHG 574 8205 R1001	GHG 574 8205 R5001
230 V AC	4-pol + PE	10 h	30 cm multi wire 1.5 mm²	GHG 574 8110 R1001	GHG 574 8110 R5001
230 V AC	4-pol + PE	10 h	30 cm multi wire 2.5 mm²	GHG 574 8210 R1001	GHG 574 8210 R5001

| eXLink 4-pole |



Ordering key eXLink inlet 4-pole

Metal version also for EEx-d applications with free volume < 2000 cm³

GHG 571 9XXX RXX0X

X = Count No.

1. Connection technology

1 = Crimp¹⁾/30 cm multi wire up to 1.5 mm²
2 = Crimp¹⁾/30 cm multi wire up to 2.5 mm²

¹⁾ only in plastic version

2. Coding

02 = 2 h
04 = 4 h
06 = 6 h
08 = 8 h
12 = 12 h

3. Material

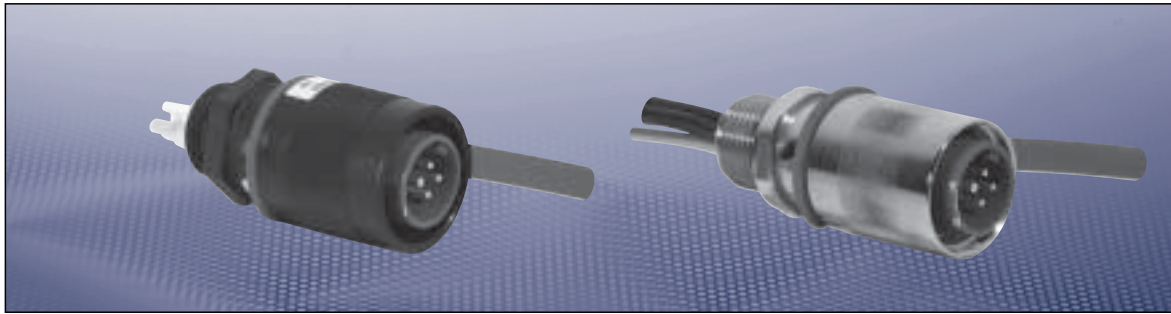
0 = Plastic
1 = Stainless steel AISI 316L with M20 thread
3 = Nickel-plated brass with M20 thread
5 = Stainless steel AISI 316L with 1/2" NPT thread
6 = Nickel-plated brass with 1/2" NPT thread

4. Diameter of connection cable

0 = without locking device
9 = with locking device

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M20 x 1.5 Order No.	1/2" NPT Order No.	
Inlet made of plastic						
Ethernet/Bus	3-pol + PA	2 h	Crimp up to 1.5 mm²	GHG 571 9102 R0001	Only available in metal version!	
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm²	GHG 571 9104 R0001		
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm²	GHG 571 9204 R0001		
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm²	GHG 571 9106 R0001		
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm²	GHG 571 9206 R0001		
24 V DC	4-pol	8 h	Crimp up to 1.5 mm²	GHG 571 9108 R0001		
24 V DC	4-pol	8 h	Crimp up to 2.5 mm²	GHG 571 9208 R0001		
24 V AC	2-pol + PE	12 h	Crimp up to 1.5 mm²	GHG 571 9112 R0001		
24 V AC	2-pol + PE	12 h	Crimp up to 2.5 mm²	GHG 571 9212 R0001		
Ethernet/Bus	3-pol + PA	2 h	30 cm multi wire 1.5 mm²	GHG 571 9102 R0002	Only available in metal version!	
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 571 9104 R0002		
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 571 9204 R0001		
230 V AC	2-pol + PE	6 h	15 cm multi wire 1.5 mm²	GHG 571 9106 R0003		
230 V AC	2-pol + PE	6 h	30 cm multi wire 1.5 mm²	GHG 571 9106 R0002		
230 V AC	2-pol + PE	6 h	30 cm multi wire 2.5 mm²	GHG 571 9206 R0002		
24 V DC	4-pol	8 h	21 cm multi wire 1.5 mm²	GHG 571 9108 R0002		
24 V DC	4-pol	8 h	30 cm multi wire 1.5 mm²	GHG 571 9108 R0003		
24 V DC	4-pol	8 h	30 cm multi wire 2.5 mm²	GHG 571 9208 R0002		
24 V AC	2-pol + PE	12 h	11 cm multi wire 0.75 mm²	GHG 571 9112 R0002		
24 V AC	2-pol + PE	12 h	30 cm multi wire 1,0 mm²	GHG 571 9112 R0003		
24 V AC	2-pol + PE	12 h	30 cm multi wire 1.5 mm²	GHG 571 9112 R0004		
24 V AC	2-pol + PE	12 h	30 cm multi wire 2.5 mm²	GHG 571 9212 R0002		
Inlet made of nickel-plated V < 2000 cm³						
Ethernet/Bus	3-pol + PA	2 h	30 cm multi wire 1.5 mm²	GHG 571 9102 R3001		GHG 571 9102 R6001
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 571 9104 R3001	GHG 571 9104 R6001	
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 571 9204 R3001	GHG 571 9204 R6001	
Inlet made of stainless steel V < 2000 cm³						
Ethernet/Bus	3-pol + PA	2 h	30 cm multi wire 1.5 mm²	GHG 571 9102 R1001	GHG 571 9102 R5001	
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 571 9104 R1001	GHG 571 9104 R5001	
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 571 9204 R1001	GHG 571 9204 R5001	



Ordering key eXLink inlet 4-pole + PE

Metal version also for EEx-d applications with free volume < 2000 cm³

GHG 574 9XXX RXX0X

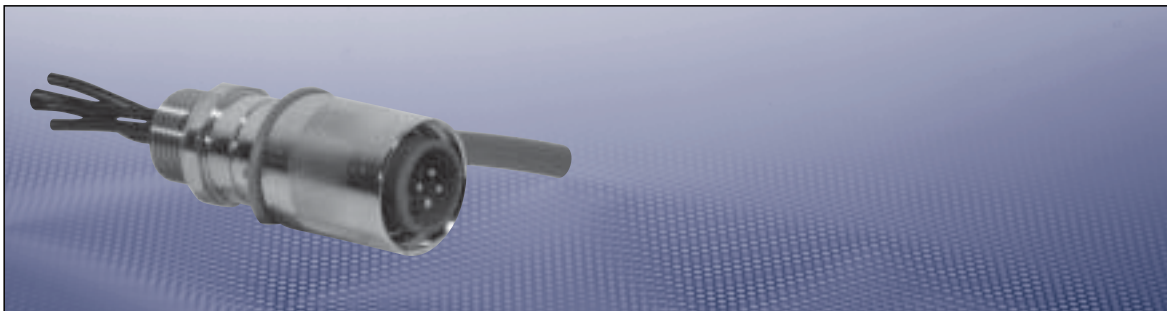
X = Count No.

1. Connection technology	2. Coding	3. Material	4. Diameter of connection cable
1 = Crimp ¹⁾ /30 cm multi wire up to 1.5 mm²	01 = 1 h	0 = Plastic	0 = without locking device
2 = Crimp ¹⁾ /30 cm multi wire up to 2.5 mm²	05 = 5 h	1 = Stainless steel AISI 316L with M20 thread	9 = with locking device
¹⁾ only in plastic version	10 = 10 h	3 = Nickel-plated brass with M20 thread	
		5 = Stainless steel AISI 316L with 1/2" NPT thread	
		6 = Nickel-plated brass with 1/2" NPT thread	

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M20 x 1.5 Order No.	1/2" NPT Order No.
Inlet made of plastic					
Ethernet/Bus	4-pol + PA	1 h	Crimp up to 1.5 mm²	GHG 574 9101 R0001	Only available in metal version!
24 V DC	4-pol + PE	5 h	Crimp up to 1.5 mm²	GHG 574 9105 R0001	
24 V DC	4-pol + PE	5 h	Crimp up to 2.5 mm²	GHG 574 9205 R0001	
230 V AC	4-pol + PE	10 h	Crimp up to 1.5 mm²	GHG 574 9110 R0001	
230 V AC	4-pol + PE	10 h	Crimp up to 2.5 mm²	GHG 574 9210 R0001	
Ethernet	4-pol + PE	1 h	30 cm multi wire 1.5 mm²	GHG 574 9101 R0002	Only available in metal version!
24 V AC	4-pol + PE	5 h	30 cm multi wire 1.0 mm²	GHG 574 9105 R0002	
230 V AC	4-pol + PE	10 h	30 cm multi wire 1.5 mm²	GHG 574 9110 R0002	
230 V AC	4-pol + PE	10 h	30 cm multi wire 2.5 mm²	GHG 574 9210 R0002	
Inlet made of nickel-plated V < 2000 cm³					
Ethernet/Bus	4-pol + PA	1 h	30 cm multi wire 1.5 mm²	GHG 574 9101 R3001	GHG 574 9101 R6001
24 V DC	4-pol + PE	5 h	30 cm multi wire 1.5 mm²	GHG 574 9105 R3001	GHG 574 9105 R6001
24 V DC	4-pol + PE	5 h	30 cm multi wire 2.5 mm²	GHG 574 9205 R3001	GHG 574 9205 R6001
230 V AC	4-pol + PE	10 h	30 cm multi wire 1.5 mm²	GHG 574 9110 R3001	GHG 574 9110 R6001
230 V AC	4-pol + PE	10 h	30 cm multi wire 2.5 mm²	GHG 574 9210 R3001	GHG 574 9210 R6001
Inlet made of stainless steel V < 2000 cm³					
Ethernet/Bus	4-pol + PA	1 h	30 cm multi wire 1.5 mm²	GHG 574 9101 R1001	GHG 574 9101 R5001
24 V DC	4-pol + PE	5 h	30 cm multi wire 1.5 mm²	GHG 574 9105 R1001	GHG 574 9105 R5001
24 V DC	4-pol + PE	5 h	30 cm multi wire 2.5 mm²	GHG 574 9205 R1001	GHG 574 9205 R5001
230 V AC	4-pol + PE	10 h	30 cm multi wire 1.5 mm²	GHG 574 9110 R1001	GHG 574 9110 R5001
230 V AC	4-pol + PE	10 h	30 cm multi wire 2.5 mm²	GHG 574 9210 R1001	GHG 574 9210 R5001

■ eXLink 4-pole ■



Ordering key eXLink inlet 4-pole

Metal version for EEx-d applications with free volume > 2000 cm³

GHG 571 6XXX RXX01

1. Connection technology

1 = 30 cm multi wire 1.5 mm²
2 = 30 cm multi wire 2.5 mm²

2. Coding

02 = 2 h
04 = 4 h
06 = 6 h
08 = 8 h
12 = 12 h

3. Material

1 = Stainless steel AISI 316L with M20 thread
3 = Nickel-plated brass with M20 thread
5 = Stainless steel AISI 316L with 1/2" NPT thread
6 = Nickel-plated brass with 1/2" NPT thread

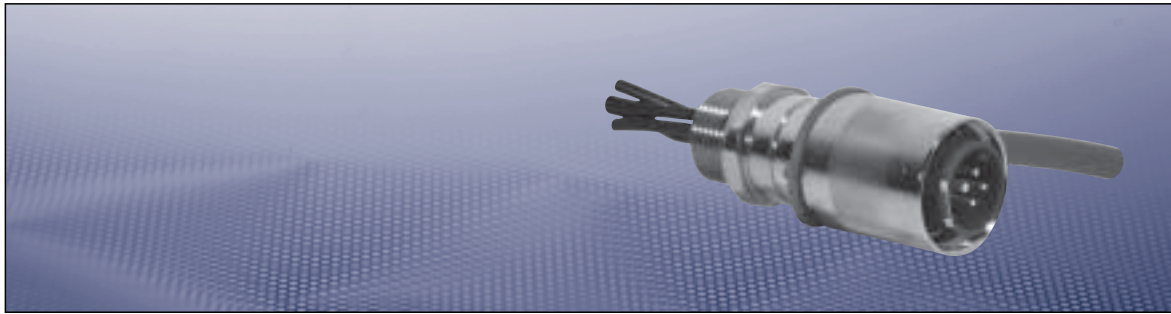
4. Diameter of connection cable

0 = without locking device
9 = with locking device

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M20 x 1.5 Order No.	1/2" NPT Order No.
Receptacle made of stainless steel for V > 2000 cm ³					
BUS	3-pol + PA	2 h	30 cm multi wire 1.5 mm ²	GHG 571 6102 R1001	GHG 571 6102 R5001
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 571 6104 R1001	GHG 571 6104 R5001
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 571 6204 R1001	GHG 571 6204 R5001
230 V AC	2-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 571 6106 R1001	GHG 571 6106 R5001
230 V AC	2-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 571 6206 R1001	GHG 571 6206 R5001
24 V DC	4-pol	8 h	30 cm multi wire 1.5 mm ²	GHG 571 6108 R1001	GHG 571 6108 R5001
24 V DC	4-pol	8 h	30 cm multi wire 2.5 mm ²	GHG 571 6208 R1001	GHG 571 6208 R5001
24 V AC	2-pol + PE	12 h	30 cm multi wire 1.5 mm ²	GHG 571 6112 R1001	GHG 571 6112 R5001
24 V AC	2-pol + PE	12 h	30 cm multi wire 2.5 mm ²	GHG 571 6212 R1001	GHG 571 6212 R5001

Inlet made of nickel-plated brass V > 2000 cm ³					
BUS	3-pol + PA	2 h	30 cm multi wire 1.5 mm ²	GHG 571 6102 R3001	GHG 571 6102 R6001
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 571 6104 R3001	GHG 571 6104 R6001
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 571 6204 R3001	GHG 571 6204 R6001
230 V AC	2-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 571 6106 R3001	GHG 571 6106 R6001
230 V AC	2-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 571 6206 R3001	GHG 571 6206 R6001
24 V DC	4-pol	8 h	30 cm multi wire 1.5 mm ²	GHG 571 6108 R3001	GHG 571 6108 R6001
24 V DC	4-pol	8 h	30 cm multi wire 2.5 mm ²	GHG 571 6208 R3001	GHG 571 6208 R6001
24 V AC	2-pol + PE	12 h	30 cm multi wire 1.5 mm ²	GHG 571 6112 R3001	GHG 571 6112 R6001
24 V AC	2-pol + PE	12 h	30 cm multi wire 2.5 mm ²	GHG 571 6212 R3001	GHG 571 6212 R6001



Ordering key eXLink inlet 4-pole + PE

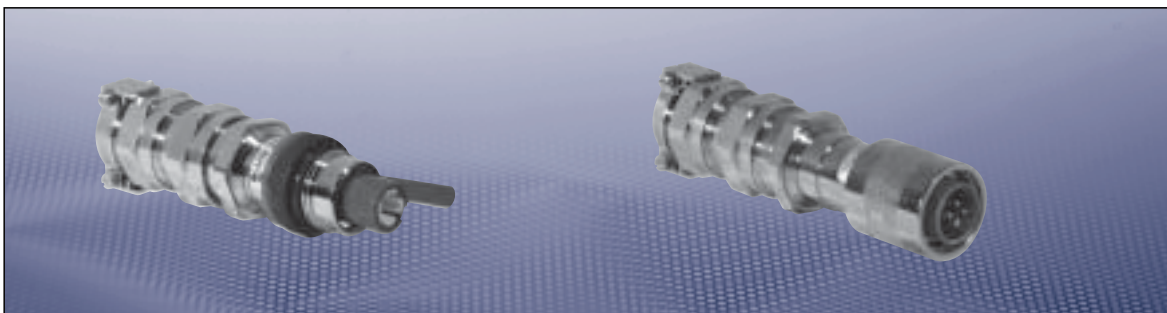
Metal version for EEx-d applications with free volume > 2000 cm³

GHG 574 6XXX RXX01

1. Connection technology	2. Coding	3. Material	4. Diameter of connection cable
1 = 30 cm multi wire 1.5 mm ²	01 = 1 h	1 = Stainless steel AISI 316L with M20 thread	0 = without locking device
2 = 30 cm multi wire 2.5 mm ²	05 = 5 h	3 = Nickel-plated brass with M20 thread	9 = with locking device
	10 = 10 h	5 = Stainless steel AISI 316L with 1/2" NPT thread	
		6 = Nickel-plated brass with 1/2" NPT thread	

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M20 x 1.5 Order No.	1/2" NPT Order No.
Inlet made of stainless steel for V > 2000 cm ³					
Ethernet/Bus	4-pol + PA	1 h	30 cm multi wire 1.5 mm ²	GHG 574 6101 R1001	GHG 574 6101 R5001
24 V DC	4-pol + PE	5 h	30 cm multi wire 1.5 mm ²	GHG 574 6105 R1001	GHG 574 6105 R5001
24 V DC	4-pol + PE	5 h	30 cm multi wire 2.5 mm ²	GHG 574 6205 R1001	GHG 574 6205 R5001
230 V AC	4-pol + PE	10 h	30 cm multi wire 1.5 mm ²	GHG 574 6110 R1001	GHG 574 6110 R5001
230 V AC	4-pol + PE	10 h	30 cm multi wire 2.5 mm ²	GHG 574 6210 R1001	GHG 574 6210 R5001
Inlet made of nickel-plated brass V > 2000 cm ³					
Ethernet/Bus	4-pol + PA	1 h	30 cm multi wire 1.5 mm ²	GHG 574 6101 R3001	GHG 574 6101 R6001
24 V DC	4-pol + PE	5 h	30 cm multi wire 1.5 mm ²	GHG 574 6105 R3001	GHG 574 6105 R6001
24 V DC	4-pol + PE	5 h	30 cm multi wire 2.5 mm ²	GHG 574 6205 R3001	GHG 574 6205 R6001
230 V AC	4-pol + PE	10 h	30 cm multi wire 1.5 mm ²	GHG 574 6110 R3001	GHG 574 6110 R6001
230 V AC	4-pol + PE	10 h	30 cm multi wire 2.5 mm ²	GHG 574 6210 R3001	GHG 574 6210 R6001



Ordering key eXLink plug/coupler for armoured cables 4-pole

GHG 571 XXXX RXX01

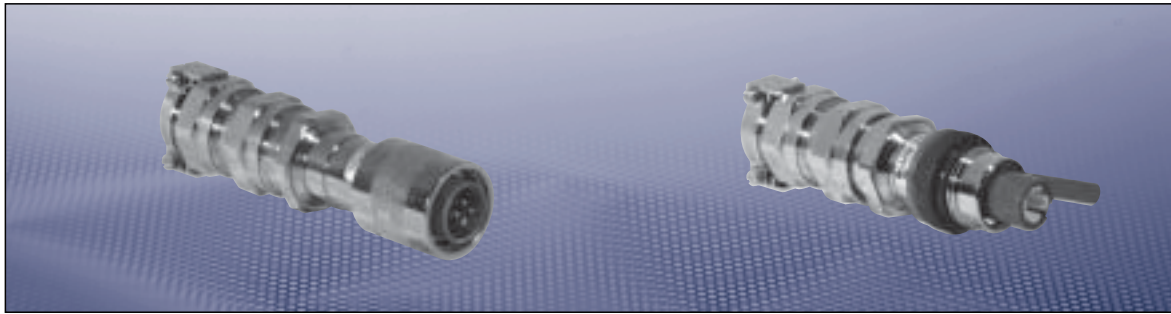
1. Version	2. Connection technology	3. Coding	4. Material	5. Diameter of connection cable
3 = Coupler 7 = Plug	1 = Crimp up to 1.5 mm ² 2 = Crimp up to 2.5 mm ²	02 = 2 h 04 = 4 h 06 = 6 h 08 = 8 h 12 = 12 h	2 = Stainless steel AISI 316L* 4 = Nickel-plated brass * Strain relief in nickel-plated brass	0 = without locking device 8 = Plug with protection cap 9 = with locking device

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable 12 - 21 mm Plug Order No.	Coupler Order No.
Plug/coupler made of stainless steel for armoured cables*					
Bus	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 7102 R2001	GHG 571 3102 R2001
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 7104 R2001	GHG 571 3104 R2001
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 7204 R2001	GHG 571 3204 R2001
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 7106 R2001	GHG 571 3106 R2001
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 7206 R2001	GHG 571 3206 R2001
24 V DC	4-pol	8 h	Crimp up to 1.5 mm ²	GHG 571 7108 R2001	GHG 571 3108 R2001
24 V DC	4-pol	8 h	Crimp up to 2.5 mm ²	GHG 571 7208 R2001	GHG 571 3208 R2001
24 V AC	2-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 571 7112 R2001	GHG 571 3112 R2001
24 V AC	2-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 571 7212 R2001	GHG 571 3212 R2001

Plug/coupler made of nickel-plated brass for armoured cables					
Bus	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 7102 R4001	GHG 571 3102 R4001
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 7104 R4001	GHG 571 3104 R4001
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 7204 R4001	GHG 571 3204 R4001
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 7106 R4001	GHG 571 3106 R4001
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 7206 R4001	GHG 571 3206 R4001
24 V DC	4-pol	8 h	Crimp up to 1.5 mm ²	GHG 571 7108 R4001	GHG 571 3108 R4001
24 V DC	4-pol	8 h	Crimp up to 2.5 mm ²	GHG 571 7208 R4001	GHG 571 3208 R4001
24 V AC	2-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 571 7112 R4001	GHG 571 3112 R4001
24 V AC	2-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 571 7212 R4001	GHG 571 3212 R4001

*Strain relief in nickel-plated brass



Ordering key eXLink plug/coupler for armoured cables 4-pole + PE

GHG 574 XXXX RXX01

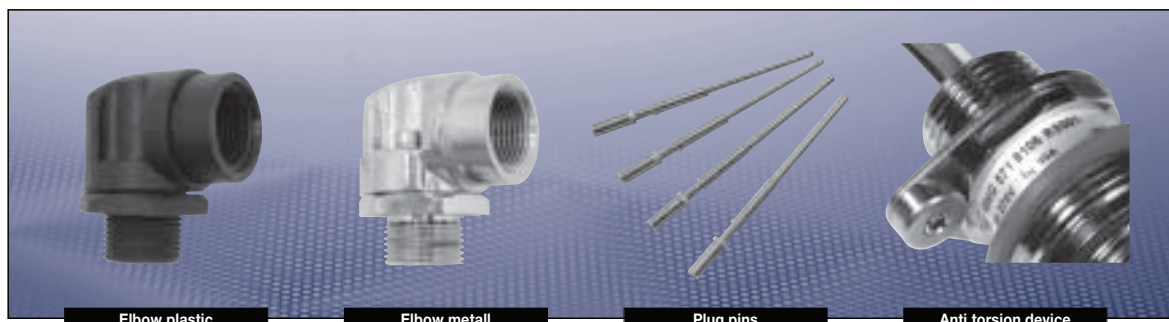
1. Version	2. Connection technology	3. Coding	4. Material	5. Diameter of connection cable
3 = Coupler 7 = Plug	1 = Crimp up to 1.5 mm ² 2 = Crimp up to 2.5 mm ²	01 = 1 h 05 = 5 h 10 = 10 h	2 = Stainless steel AISI 316L 4 = Nickel-plated brass * Strain relief in nickel-plated brass	0 = without locking device 8 = Plug with protection cap 9 = with locking device

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable 12 - 21 mm Plug Order No.	Coupler Order No.
Plug/coupler made of stainless steel for armoured cables*					
Ethernet/Bus	4-pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 7101 R2001	GHG 574 3101 R2001
24 V DC	4-pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 7105 R2001	GHG 574 3105 R2001
24 V DC	4-pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 7205 R2001	GHG 574 3205 R2001
230 V AC	4-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 7110 R2001	GHG 574 3110 R2001
230 V AC	4-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 7210 R2001	GHG 574 3210 R2001
Plug/coupler made of nickel-plated brass for armoured cables					
Ethernet/Bus	4-pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 7101 R4001	GHG 574 3101 R4001
24 V DC	4-pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 7105 R4001	GHG 574 3105 R4001
24 V DC	4-pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 7205 R4001	GHG 574 3205 R4001
230 V AC	4-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 7110 R4001	GHG 574 3110 R4001
230 V AC	4-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 7210 R4001	GHG 574 3210 R4001

* Strain relief in nickel-plated brass

| eXLink 4-pole/4-pole + PE |



Elbow plastic

Elbow metal

Plug pins

Anti torsion device

Ordering key eXLink elbow

GHG 571 1000 RX001

Material

0 = Plastic

1 = Stainless steel AISI 316L

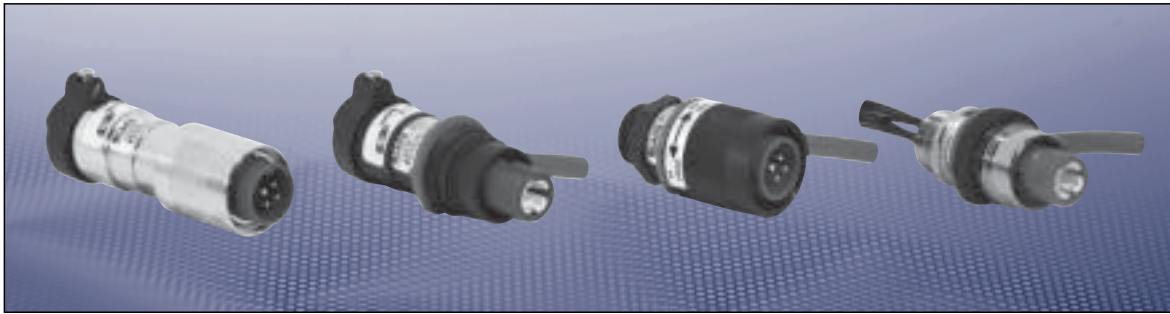
3 = Nickel-plated brass

Ordering details

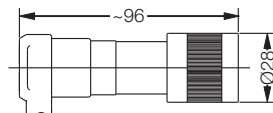
Type	Material	Order No.
Elbow M20	Plastic	GHG 571 1000 R0001
Elbow M20	Stainless steel AISI 316L	GHG 571 1000 R1001
Elbow M20	Nickel-plated brass	GHG 571 1000 R3001

Accessories

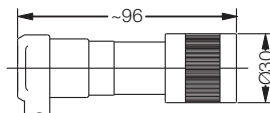
Type	BE	Version 3+PE	4 pol.	4+PE	Order No.
Set of socket contacts 1.5 mm ² , 4-pole	1	X	X	–	GHG 570 1905 R0001
Set of socket contacts 2.5 mm ² , 4-pole	1	X	X	–	GHG 570 1905 R0002
Set of socket contacts 1.5 mm ² , 4-pole + PE contact	1	–	–	X	GHG 570 1905 R0003
Set of socket contacts 2.5 mm ² , 4-pole + PE contact	1	–	–	X	GHG 570 1905 R0004
Crimp tool for eXLink	1	X	X	X	GHG 570 1902 R0001
Plastic protection cap connector/receptacle	1	X	X	X	GHG 570 1903 R0001
Plastic protection cap plug/inlet	1	X	X	X	GHG 570 1903 R0002
Brass protection cap connector/receptacle	1	X	X	X	GHG 570 1903 R0003
Brass protection cap plug/inlet	1	X	X	X	GHG 570 1903 R0004
Set of plug pins 1.5 mm ² , 3-pole + PE (PE leading AC)	1	X	–	–	GHG 570 1904 R0003
Set of plug pins 1.5 mm ² , 4-pole (lagging DC)	1	–	X	–	GHG 570 1904 R0001
Set of plug pins 2.5 mm ² , 3-pole + PE (PE leading AC)	1	X	–	–	GHG 570 1904 R0004
Set of plug pins 2.5 mm ² , 4-pole (lagging DC)	1	–	X	–	GHG 570 1904 R0002
Set of plug pins 1.5 mm ² , 4-pole + PE-spring clip	1	–	–	X	GHG 570 1904 R0005
Set of plug pins 2.5 mm ² , 4-pole + PE-spring clip	1	–	–	X	GHG 570 1904 R0006
ScREW driver for cage clamp	1	X	X	–	GHG 570 1908 R0001
Strain relief and seal 4 - 7.5 mm	1	X	X	X	GHG 570 1907 R0001
Strain relief and seal 7.5 - 11 mm	1	X	X	X	GHG 570 1907 R0002
Anti torsion device	1	X	X	X	GHG 570 1901 R0001



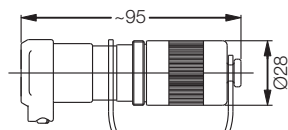
Dimension drawing eXLink



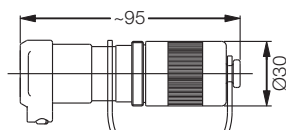
Plug metal version



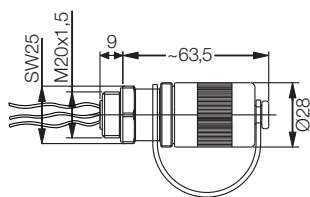
Plug plastic version



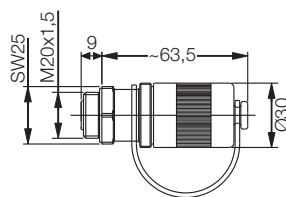
Coupler metal version



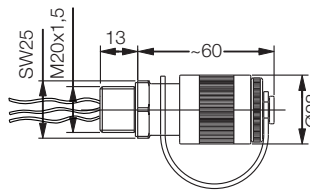
Coupler plastic version



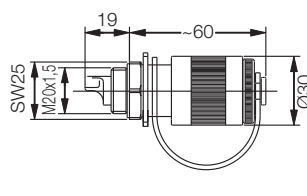
Inlet metal version



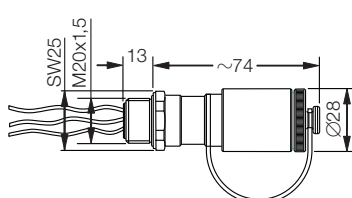
Inlet plastic version



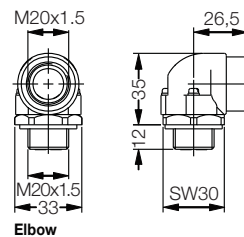
Receptacle metal version: $V < 2000 \text{ cm}^3$



Receptacle plastic version



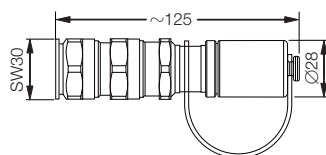
Receptacle metal version: $V > 2000 \text{ cm}^3$



Elbow



Plug for armoured cable



Coupler for armoured cable

Dimensions in mm

The inlets and receptacles **eXLink Ethernet** and **eXLink USB** extend the proven connector series **eXLink** for hazardous areas. They can be used for plug-in connection for industrial LAN/Ethernet and USB applications with each other in areas with an explosion hazard. The normally used electrical isolation of an intrinsically safe interface is no longer necessary. The Ex-e technology of the connectors allows the use of full Ethernet power without barriers. This increases the efficiency of the bus architecture and reduces the susceptibility to faults and therefore the costs.

The sockets of the inlets and receptacles designed with Ex-de degree of protection have the proven CEAG contacts of shutter-like, punched and specially treated copper-beryllium band which provides a perfect electrical connection continuously with its large number of contact points. An Ex-d space around the plug pins provides a reliable explosion protection during connection and disconnection of the connectors in zones 1, 2, 21 and 22. To rule out incorrect assignment, the inlets and receptacles are coded according to time similar to the CEE system.

In accordance with the requirements of a contemporary, safe and time-saving assembly, all the components are equipped with earthing cables, cable stub and pre-assembled RJ plug male/female or USB plug male/female.

With the M20 screw-in thread the nickel-plated brass components (optionally stainless steel) can be integrated in all "enhanced safety" or "pressurised" design enclosures.

Hot swap

Compact design

High degree of protection IP66 / IP68

Simple assembly

Frequency range up to 100 MHz or USB 2.0

Transfer rate up to 100 MBaud (Ethernet)

Available for 10 BASE-T, 100 BASE-T





Innovative connectors for Ethernet systems

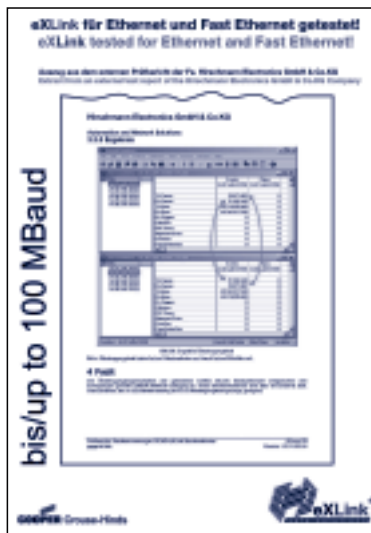
Combine the safety of an innovative explosion-protected connector system with the advantages of a homogeneous communication structure between the host, control and process level! With **eXLink Ethernet** and **eXLink USB** you can also use efficient, Ethernet-based communication systems in the hazardous areas. This enables you to use a modern information architecture at the same time as efficiently satisfying all criteria for explosion protection.

Conventional field bus systems are designed exclusively for data communication with the process and production

control. With Ethernet as a communication medium you can implement a homogeneous infrastructure from the host level via the control level to the process level. In the industrial environment, **eXLink** connector systems replace the familiar connectors of the IT office world. Therefore this systems also offers you the real time performance of Ethernet networks – hot swap – in addition to high safety standards in areas with an explosion hazard.

Adapt your control to the changing production processes. Child's play with **eXLink** connectors because Ethernet components and explosion protection have a modular structure. This means that you can update your information architecture without having to change your explosion-protected installation by simply changing the components in their pressurised enclosures. You can use conventional industrial components because the explosion-protected connection to your network is provided by the **eXLink** installed in the enclosure which also enables hot swapping of your terminating equipment without isolating and without hot work permit.

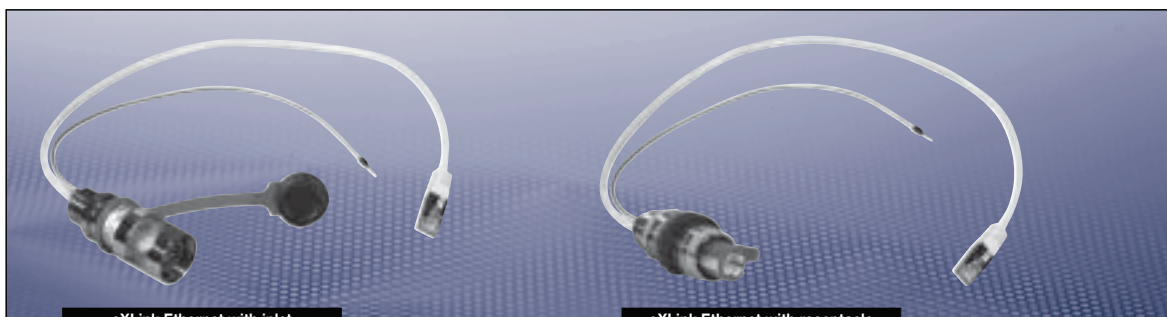
The **eXLink** also put your data transmission on the safe side. Independent measurements of a well-known laboratory have classified the use of the **eXLink 4-pole + PA** up to 100 MHz and with transfer rates up to 100 Mbaud according to the requirements in accordance with TIA/EIA-568-B.2 Category 5e as safe. The limit curves were dropped below considerably here. The **eXLink 4-pole + PA** system can therefore be used in **Fast Ethernet®** or **Ethernet®** networks as well as for the implementation of explosion-protected USB interfaces such as hard disk driver.



Advanced technology with eXLink available by now



| eXLink Ethernet 4-pole + PA |



eXLink Ethernet with inlet

eXLink Ethernet with receptacle

Technical data

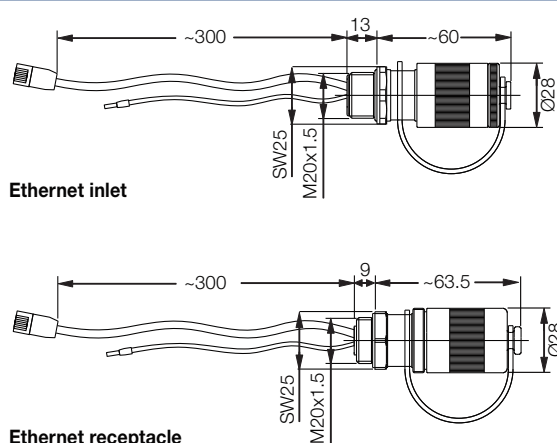
eXLink Ethernet 4-pole + PA

Marking to 94/9/EC type of protection	Ex II 2 G / Ex II 2 D T52 °C EEx de IIC T6
EC-Type Examination Certificate	PTB 03 ATEX 1016 X
Permissible ambient temperature	-55 °C up to +40 °C
Store temperature in original wrapping	-55 °C up to +80 °C
Rated voltage	BUS
Rated current	max. 1 A
Frequency range	0-100 MHz, Fast Ethernet® compatible
Terminal cross section	Ethernet-cable 300 mm CAT 5e with plug RJ 45 male/female
Insulation class acc. EN 60598	I
Transmission performance acc. to TIA/EIA-568-B.2	Category 5e up to 100 Mbaud
Degree of protection EN 60529	IP66/IP68 with closed and locked protective caps or duly plugged and locked components
Enclosure material	Nickel plated brass / stainless steel 316L
Coding	1 h
Cable entry inlet and receptacle	M20 x 1.5 / 1/2" NPT
Accessories (option)	Locking device

Ordering details

Scope of delivery (nickel plated brass)	Order No.
Ethernet inlet with cable and RJ plug male	GHG 574 9101 R3002
Ethernet inlet with cable and RJ plug female	GHG 574 9101 R3004
Ethernet receptacle with cable and RJ plug male	GHG 574 8101 R3002
Ethernet receptacle with cable and RJ plug female	GHG 574 8101 R3004

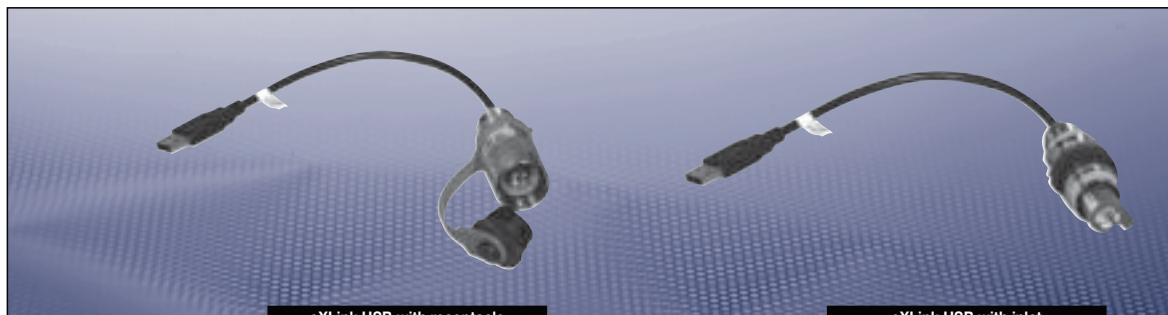
Dimension drawing



Ethernet inlet

Ethernet receptacle

Dimensions in mm



Technical data

eXLink USB 4-pole

Marking to 94/9/EC type of protection	Ex II 2 G / Ex II 2 D T 52 °C EEx de IIC T6
EC-Type Examination Certificate	PTB 03 ATEX 1016 X
Permissible ambient temperature	-55 °C up to +40 °C
Store temperature in original wrapping	-55 °C up to +80 °C
Rated voltage	BUS
Rated current	max. 1 A
Frequency range	USB 2.0
Terminal cross section	data cable 200 mm with USB plug/coupler
Insulation class acc. EN 60598	I
Degree of protection EN 60529	IP66/IP68 with closed and locked protective caps or duly plugged and locked components
Enclosure material	Nickel plated brass / stainless steel 316L
Coding	2 h
Cable entry inlet and receptacle	M20 x 1,5 / 1/2" NPT
Accessories (option)	locking device

Ordering details

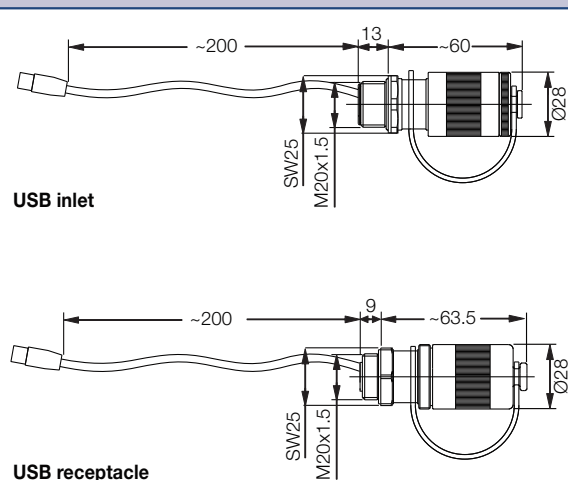
Scope of delivery (nickel plated brass)

Inlet with cable and USB plug male
Inlet with cable and USB coupler female
Receptacle with cable and USB plug female
Receptacle with cable and USB plug male

Order No.

GHG 571 9102 R3003
GHG 571 9102 R3004
GHG 571 8102 R3003
GHG 571 8102 R3004

Dimension drawing



Dimensions in mm

Providing flexible power supply and signal – connection there, where it is needed – even in hazardous areas for the Zones 1 and 2.

The eXLink 7 pole / 6- pole + PE is a complete system for connecting and disconnecting product electrically. Supplying from low voltage BUS signals up to 400 V AC / 16 A electrical power the full range of connectors and receptacles are available with moulded plastic enclosure as well as nickel-plated brass or stainless steel enclosures.

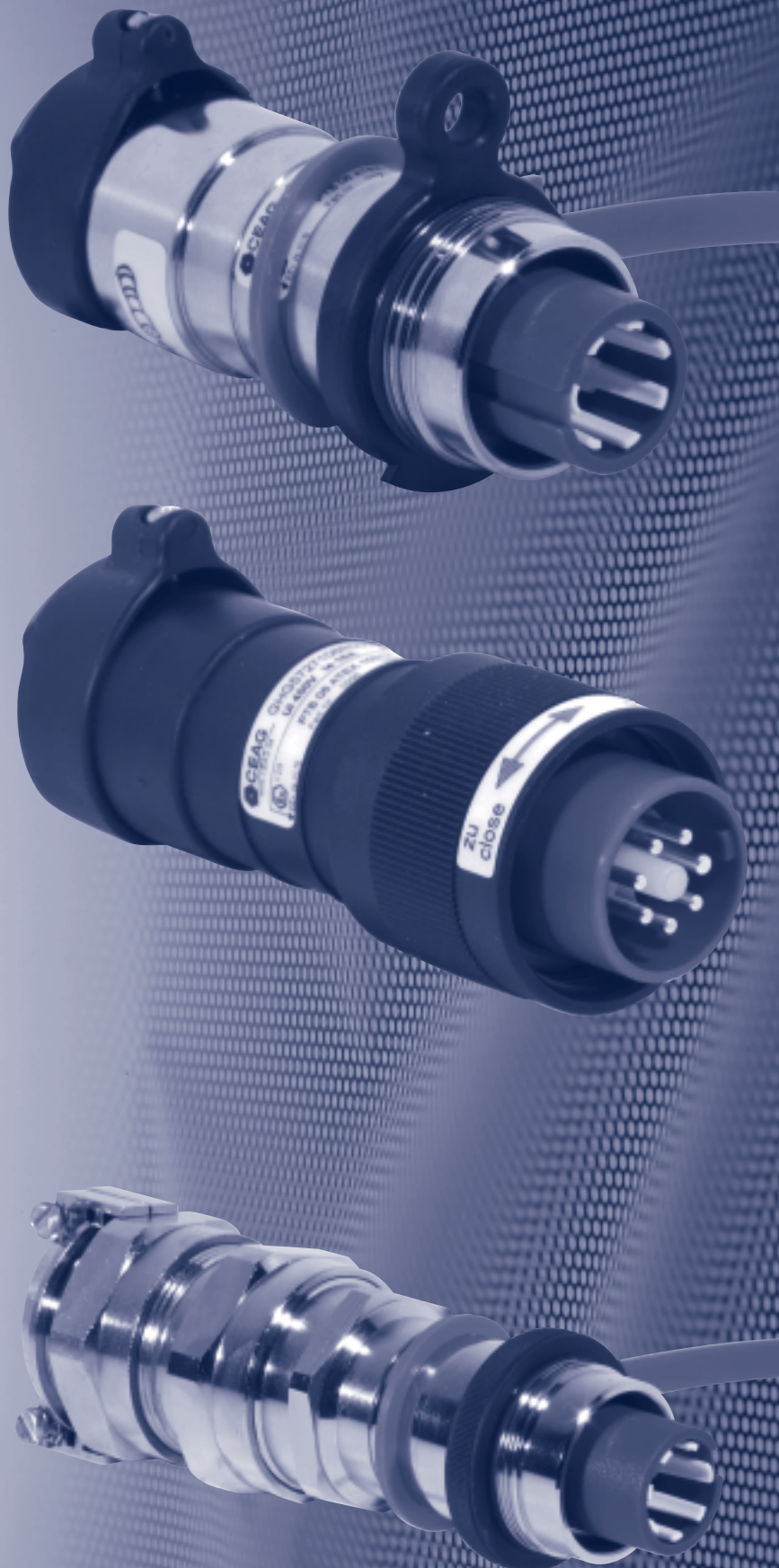
A coding system following to IEC 309 system secures from misconnections of non-compatible voltage levels. Only connectors and plugs with the same voltage level can be plugged into.

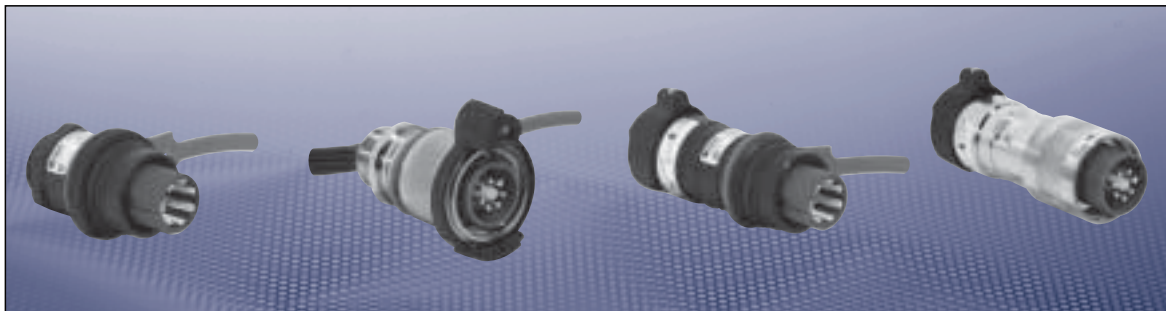
The well-known and reliable bonding technique “crimp connection” for wire size of 0.75 mm² up to 1.5 mm² and optional 2.5 mm² is used for wire connection to the pins. Additionally a screw-less technique “cage clamp” can be used for selected types. A special plug and connector for the use of armoured cable with armouring diameter up to 1.5 mm is available.

The Receptacle and the Inlet are equipped with metric thread M25 x 1.5 or 3/4” NPT thread to screw directly into electrical apparatus. All metal versions can be used directly into Ex-d enclosures without additionally certification.

All eXLink plugs, inlets, receptacle and connectors are designed for hot swapping of apparatus in hazardous areas without disconnecting terminals, without shutting down circuits and without a “hot work permit”!

- Standard IP protection IP66/IP68
- Permissible ambient temperature form -55 to +70 °C
- Up to 400 V 16 A
- Stainless steel or nickel plated brass enclosures for highest mechanical protection
- Max. 7-pole (6-pole + PE) connections
- Mining (EX I M2) certified





Technical data

eXLink 6+1-pole / 7-pole

Marking to 94/9/EC	Ex II 2 G EEx de IIC T6
EC-Type Examination Certificate	PTB 06 ATEX 1031 X
Permissible ambient temperature	-20 °C up to +40 °C (Rated current 16 A)
Extended temperature range	-55 °C up to +75 °C (Metal version, rated current 1 A)
Store temperature in original wrapping	-55 °C up to +80 °C
Rated voltage	AC up to 400 V, 50/60 Hz / DC up to 60 V
Rated current	max. 3 x 16 A
Switching capacity acc. EN 60 947-4	AC-3: 400 V / 1 A
	DC-3: 60 V / 0.5 A
Back-up fuse max. without thermal protection	16 A
Back-up fuse max. with thermal protection	20 A gL
Insulation class acc. EN 60598	II: plastic / I: metal
Terminal cross section	
Plug, coupler	Crimp 1.5 mm ² : 0.75 - 1.5 mm ² / Solder: 0.34 - 1.0 mm ²
	Crimp 2.5 mm ² : 2.5 mm ²
	Cage clamp: 0.5 - 1.0 mm ² multi wire, 0.5 - 1.5 mm ² single wire
Inlet, receptacle in plastic	Crimp 1.5 mm ² : 0.75 - 1.5 mm ² / Solder: 0.34 - 1.0 mm ²
	Crimp 2.5 mm ² : 2.5 mm ²
Inlet, receptacle in metal	30 cm multi wire: 1.5 mm ² / 2.5 mm ² / 30 cm multi wire: 1.5 mm ² / 2.5 mm ²
Cable entry plug and coupler	Ø 7 - 11 mm / Ø 11 - 15 mm
Cable entry plug and coupler for armoured cables	external isol. Ø 16- 26 mm / internal isol. Ø 8.5 - 16 mm / armouring 0 - 1.5 mm
Cable entry inlet and receptacle	M25 x 1.5 / 3/4" NPT
Degree of protection EN 60529	IP66/IP68 with closed and locked protective caps or duly plugged and locked components
Enclosure material	
Plug, coupler, inlet < 2000 cm ³ and receptacle	Polyamide, nickel plate brass or stainless steel AISI 316L
Inlet > 2000 cm ³ and plug/coupler for armoured cables	Nickel plated brass or stainless steel AISI 316L

| eXLink 7-pole/6-pole + PE |**Ordering key eXLink 6+1-pole****1. Type**

1 = Elbow
3 = Coupler
6 = Inlet > 2000 cm³
7 = Plug
8 = Receptacle
9 = Inlet

2. Connection technology

1 = Crimp up to 1.5 mm²
2 = Crimp up to 2.5 mm²
6 = Cage clamp

3. Coding

04 = 4 h / 110 V AC 6p + PE
06 = 6 h / 230 V AC 6p + PE
08 = 8 h / 24 V DC 7p
10 = 10 h / 400 V AC 6p + PE
12 = 12 h / 24 V AC 6p + PE

GHG 572 XXXX RXX0X**4. Material**

0 = Plastic
1 = Stainless steel AISI 316L
2 = Stainless steel AISI 316L for armoured cables
3 = Nickel-plated brass
4 = Brass for armoured cables
5 = Stainless steel AISI 316L NPT
6 = Nickel-plated brass NPT

5. Accessories

0 = without locking device
8 = Protection cap for plug
9 = with locking device

6. Diameter of connection cable

1 = 7 – 11 mm/16 – 26 mm¹⁾
2 = 11 – 15 mm

²⁾ Version for armoured cables**Overview for possible configurations**

	Plastic	Nickel-plated brass	Stainless steel	Crimp 1.5 mm ²	Crimp 2.5 mm ²	Solder	Cage clamp	15 cm multi wire 1.5 mm ²	30 cm multi wire 2.5 mm ²	Cable entries Ø 7 - 11 mm	Cable entries Ø 11 - 15 mm	Cable entries Ø 16 - 26 mm	M25 x 1.5	3/4" NPT
Plug 6+1	x	x	x	x	x	x	x			x	x			
Receptacle 6+1	x	x	x	x	x	x	x			x	x			
Plug for armoured cables 6+1		x	x	x	x	x	x					x		
Receptacle for armoured cables 6+1		x	x	x	x	x	x					x		
Inlet for EEx e enclosure	x	x	x	x	x			x ²⁾	x ²⁾				x	x
Info for EEx d enclosure < 2000 cm ³		x	x					x ²⁾	x ²⁾				x	x
Info for EEx d enclosure > 2000 cm ³		x	x					x ²⁾	x ²⁾				x	x
Receptacle for EEx e enclosure	x	x	x	x	x			x ²⁾	x ²⁾				x	x
Receptacle for EEx d enclosure (no restriction on free volume)		x	x					x ²⁾	x ²⁾				x	x
Elbow for EEx e enclosure	x	x	x										x	x
Elbow for EEx d enclosure		x	x										x	x

²⁾ on customers request available with cable length 500/750/1500 mm

For customers who wants to configure the needed eXLink easily and fast
Cooper Crouse-Hinds offers via the Internet separate tool to select the right type
and order No.: http://www.ceag.de/en/Explosion_Protection/What_is_eXLink/

Cooper Crouse-Hinds © 2008 - all rights reserved



eXLink 4/4+PE-pole eXLink 7/6+PE-pole Y-Adaptor © 2007 Intermezzo

Type: plug male - for passive cable connection

Material: nickel plated brass

Clock Setting / Voltage: 04 h: 6-pol + PE - 110 V AC

Connection Technology: 1.5 mm² Crimp

Accessories: without locking device

Connector cable: cable diameter 7.0 - 11.0 mm

GHG 572 7104 R3001

eXLink 4/4+PE-pole eXLink 7/6+PE-pole Y-Adaptor © 2007 Intermezzo

Type: coupler female - for active cable connection

Material: stainless steel 316L for armoured cable

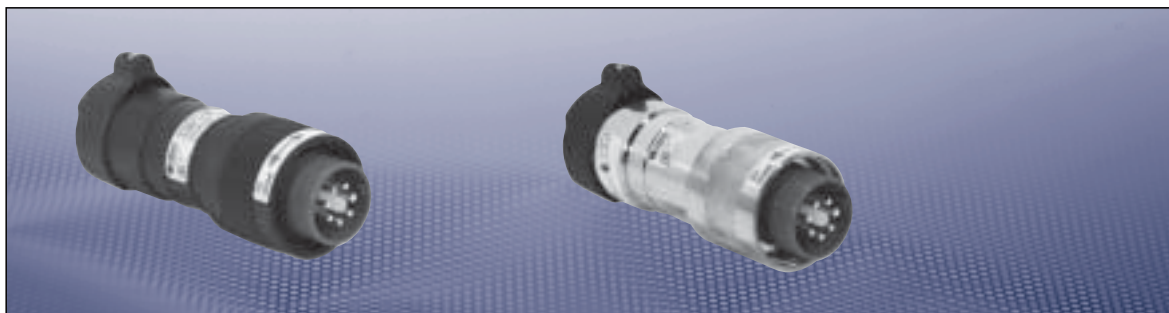
Clock Setting / Voltage: 04 h: 6-pol + PE - 110 V AC

Connection Technology: 1.5 mm² Crimp

Accessories: without locking device

Connector cable: cable diameter 16-26 mm

GHG 572 3104 R2001



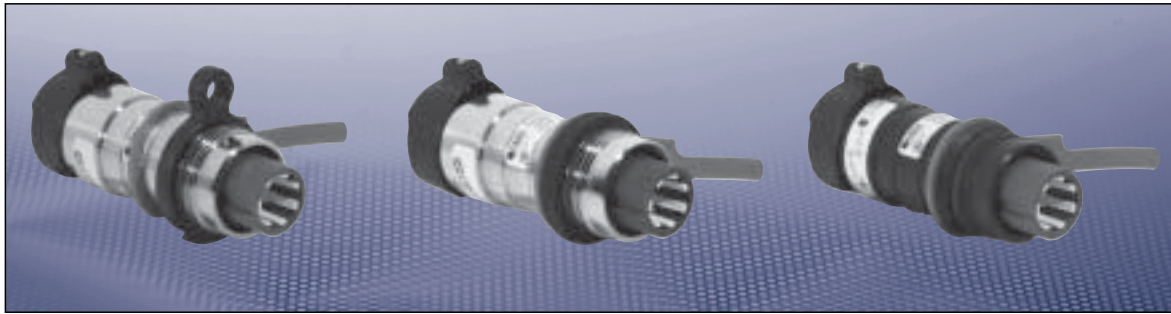
Ordering key eXLink Plug 6+1-pole/7-pole

GHG 572 7XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Diameter of connection cable
1 = Crimp up to 1.5 mm ²	04 = 4 h	0 = Plastic	0 = without locking device	1 = 7 – 11 mm
2 = Crimp up to 2.5 mm ²	08 = 8 h	1 = Stainless steel AISI 316L	8 = Protection cap for plug	2 = 11 – 15 mm
6 = Cage-clamp	10 = 10 h	3 = Nickel-plated brass	9 = with locking device	
	12 = 12 h			

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable	
				7 -11 mm Order No.	11 - 15 mm Order No.
Plug made of plastic					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 7104 R0001	GHG 572 7104 R0002
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 7204 R0001	GHG 572 7204 R0002
110 V AC	6-pol + PE	4 h	Cage clamp	GHG 572 7604 R0001	GHG 572 7604 R0002
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 7106 R0001	GHG 572 7106 R0002
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 7206 R0001	GHG 572 7206 R0002
230 V AC	6-pol + PE	6 h	Cage clamp	GHG 572 7606 R0001	GHG 572 7606 R0002
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 7108 R0001	GHG 572 7108 R0002
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 7208 R0001	GHG 572 7208 R0002
Plug made of nickel-plated brass					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 7104 R3001	GHG 572 7104 R3002
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 7204 R3001	GHG 572 7204 R3002
110 V AC	6-pol + PE	4 h	Cage clamp	GHG 572 7604 R3001	GHG 572 7604 R3002
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 7106 R3001	GHG 572 7106 R3002
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 7206 R3001	GHG 572 7206 R3002
230 V AC	6-pol + PE	6 h	Cage clamp	GHG 572 7606 R3001	GHG 572 7606 R3002
Plug made of stainless steel					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 7104 R1001	GHG 572 7104 R1002
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 7204 R1001	GHG 572 7204 R1002
110 V AC	6-pol + PE	4 h	Cage clamp	GHG 572 7604 R1001	GHG 572 7604 R1002
230 V AC	6 pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 7106 R1001	GHG 572 7106 R1002
230 V AC	6 pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 7206 R1001	GHG 572 7206 R1002
230 V AC	2-pol + PE	6 h	Cage clamp	GHG 572 7606 R1001	GHG 572 7606 R1002
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 7108 R1001	GHG 572 7108 R1002
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 7208 R1001	GHG 572 7208 R1002
24 V DC	7-pol.	8 h	Cage clamp	GHG 572 7608 R1001	GHG 572 7608 R1002
400 V AC	6-p + PE	10 h	Crimp up to 1.5 mm ²	GHG 572 7110 R1001	GHG 572 7110 R1002
400 V AC	6-p + PE	10 h	Crimp up to 2.5 mm ²	GHG 572 7210 R1001	GHG 572 7210 R1002
24 V AC	6-p + PE	12 h	Crimp up to 1.5 mm ²	GHG 572 7112 R1001	GHG 572 7112 R1002
24 V AC	6-p + PE	12 h	Crimp up to 2.5 mm ²	GHG 572 7212 R1001	GHG 572 7212 R1002



Ordering key eXLink coupler 6+1-pole/7-pole

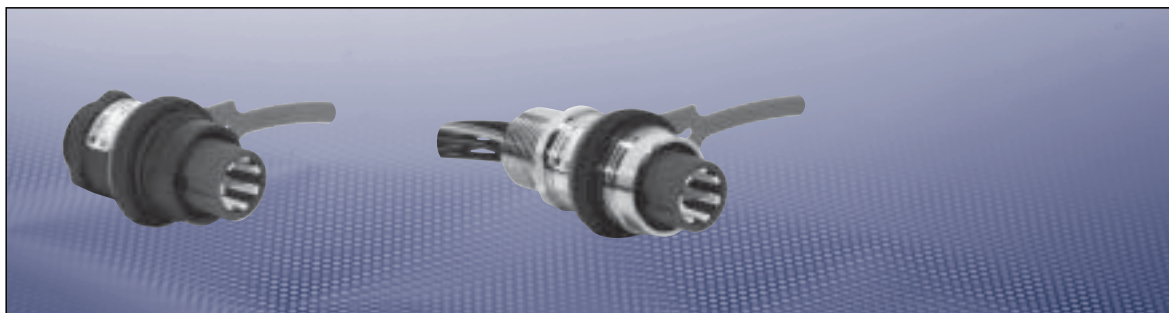
GHG 572 3XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Diameter of connection cable
1 = Crimp up to 1.5 mm ²	04 = 1 h	0 = Plastic	0 = without locking device	1 = 7 – 11 mm
2 = Crimp up to 2.5 mm ²	06 = 5 h	1 = Stainless steel AISI 316L	8 = Protection cap for plug	2 = 11 – 15 mm
6 = Cage-clamp	08 = 6 h	3 = Nickel-plated brass	9 = with locking device	
	10 = 10 h			
	12 = 12 h			

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable	
	7 – 11 mm Order No.			11 – 15 mm Order No.	
Coupler made of plastic version					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 3104 R0001	GHG 572 3104 R0002
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 3204 R0001	GHG 572 3204 R0002
110 V AC	6-pol + PE	4 h	Cage clamp	GHG 572 3604 R0001	GHG 572 3604 R0002
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 3106 R0001	GHG 572 3106 R0002
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 3206 R0001	GHG 572 3206 R0002
230 V AC	6-pol + PE	6 h	Cage clamp	GHG 572 3606 R0001	GHG 572 3606 R0002
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 3108 R0001	GHG 572 3108 R0002
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 3208 R0001	GHG 572 3208 R0002
Coupler made of nickel-plated brass					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 3104 R3001	GHG 572 3104 R3002
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 3204 R3001	GHG 572 3204 R3002
110 V AC	6-pol + PE	4 h	Cage clamp	GHG 572 3604 R3001	GHG 572 3604 R3002
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 3106 R3001	GHG 572 3106 R3002
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 3206 R3001	GHG 572 3206 R3002
230 V AC	6-pol + PE	6 h	Cage clamp	GHG 572 3606 R3001	GHG 572 3606 R3002
Coupler made of stainless steel					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 3104 R1001	GHG 572 3104 R1002
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 3204 R1001	GHG 572 3204 R1002
110 V AC	6-pol + PE	4 h	Cage clamp	GHG 572 3604 R1001	GHG 572 3604 R1002
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 3106 R1001	GHG 572 3106 R1002
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 3206 R1001	GHG 572 3206 R1002
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 3108 R1001	GHG 572 3108 R1002
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 3208 R1001	GHG 572 3208 R1002
400 V AC	6p + PE	10 h	Crimp up to 1.5 mm ²	GHG 572 3110 R1001	GHG 572 3110 R1002
400 V AC	6p + PE	10 h	Crimp up to 2.5 mm ²	GHG 572 3210 R1001	GHG 572 3210 R1002
24 V AC	6p + PE	12 h	Crimp up to 1.5 mm ²	GHG 572 3112 R1001	GHG 572 3112 R1002
24 V AC	6p + PE	12 h	Crimp up to 2.5 mm ²	GHG 572 3212 R1001	GHG 572 3212 R1002

| eXLink 7-pole/6-pole + PE |



Ordering key eXLink receptacle 6+1-pole/7-pole

Metal version also for all EEx-d application

GHG 572 8XXX RXX0X

X = Count No.

1. Connection technology

- 1 = Crimp¹⁾/30 cm multi wire up to 1.5 mm²
- 2 = Crimp¹⁾/30 cm multi wire up to 2.5 mm²

¹⁾ only plastic version

2. Coding

- 04 = 4 h
- 06 = 6 h
- 08 = 8 h
- 10 = 10 h
- 12 = 12 h

3. Material

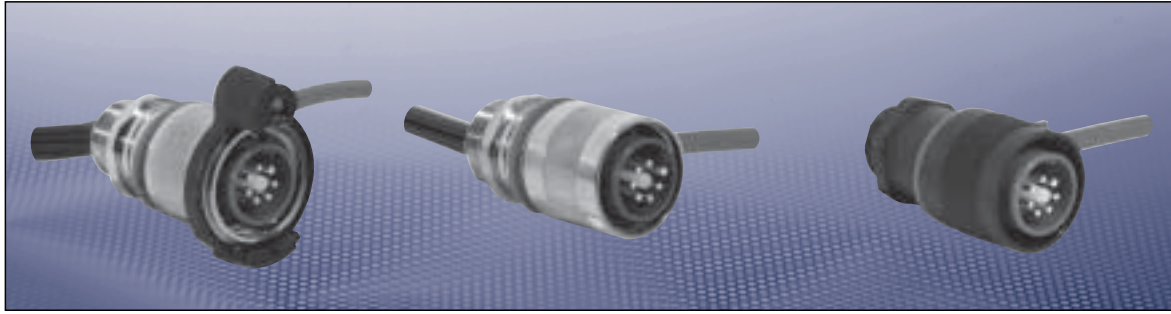
- 0 = Plastic
- 1 = Stainless steel AISI 316L with M25 thread
- 3 = Nickel-plated brass with M25 thread
- 5 = Stainless steel AISI 316L with 3/4" NPT thread
- 6 = Nickel-plated brass with 3/4" NPT thread

4. Diameter of connection cable

- 0 = without locking device
- 9 = with locking device

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M25 x 1.5 Order No.	3/4" NPT Order No.
Receptacle made of plastic version					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm²	GHG 572 8104 R0001	Only available in metal version!
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm²	GHG 572 8204 R0001	
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm²	GHG 572 8106 R0001	
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm²	GHG 572 8206 R0001	
24 V DC	7-pol	8 h	Crimp up to 1.5 mm²	GHG 572 8108 R0001	
24 V DC	7-pol	8 h	Crimp up to 2.5 mm²	GHG 572 8208 R0001	
400 V AC	6p + PE	10 h	Crimp up to 1.5 mm²	GHG 572 8110 R0001	
400 V AC	6p + PE	10 h	Crimp up to 2.5 mm²	GHG 572 8210 R0001	
24 V AC	6-pol + PE	12 h	Crimp up to 1.5 mm²	GHG 572 8112 R0001	
24 V AC	6-pol + PE	12 h	Crimp up to 2.5 mm²	GHG 572 8212 R0001	
Receptacle made of nickel-plated brass					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 572 8104 R3001	GHG 572 8104 R6001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 572 8204 R3001	GHG 572 8204 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm²	GHG 572 8106 R3001	GHG 572 8106 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm²	GHG 572 8206 R3001	GHG 572 8206 R6001
Receptacle made of stainless steel					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 572 8104 R1001	GHG 572 8104 R5001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 572 8204 R1001	GHG 572 8204 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm²	GHG 572 8106 R1001	GHG 572 8106 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm²	GHG 572 8206 R1001	GHG 572 8206 R5001



Ordering key eXLink inlet 6+1-pole/7-pole < 2000 cm³

Metal version also for EEx-d application with free volume < 2000 cm³

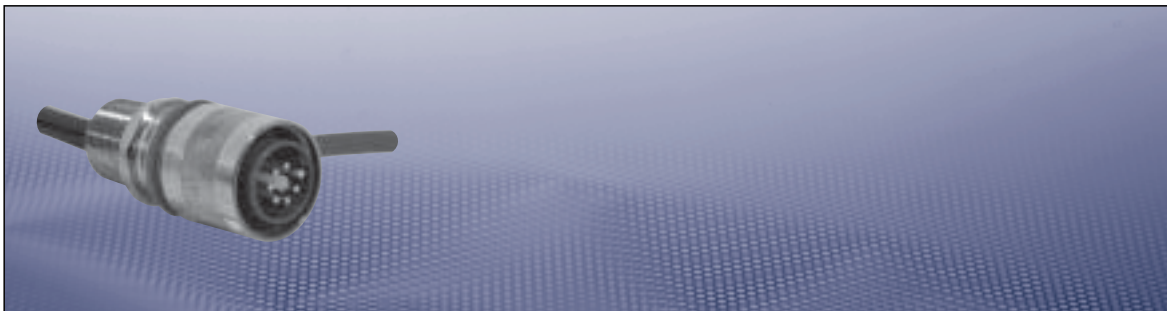
GHG 572 9XXX RXX0X

X = Count No.

1. Connection technology	2. Coding	3. Material	4. Diameter of connection cable
1 = Crimp ¹⁾ /30 cm multi wire up to 1.5 mm²	04 = 4 h	0 = Plastic	
2 = Crimp ¹⁾ /30 cm multi wire up to 2.5 mm²	06 = 6 h	1 = Stainless steel AISI 316L with M25 thread	0 = without locking device
¹⁾ only plastic version	08 = 8 h	3 = Nickel-plated brass with M25 thread	9 = with locking device
	10 = 10 h	5 = Stainless steel AISI 316L with 3/4" NPT thread	
	12 = 12 h	6 = Nickel-plated brass with 3/4" NPT thread	

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M25 x 1.5 Order No.	3/4" NPT Order No.
Inlet made of plastic					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm²	GHG 572 9104 R0001	Only available in metal version!
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm²	GHG 572 9204 R0001	
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm²	GHG 572 9106 R0001	
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm²	GHG 572 9206 R0001	
24 V DC	7-pol	8 h	Crimp up to 1.5 mm²	GHG 572 9108 R0001	
24 V DC	7-pol	8 h	Crimp up to 2.5 mm²	GHG 572 9208 R0001	
400 V AC	6-pol + PE	10 h	Crimp up to 1.5 mm²	GHG 572 9110 R0001	
400 V AC	6-pol + PE	10 h	Crimp up to 2.5 mm²	GHG 572 9210 R0001	
24 V AC	6-pol + PE	12 h	Crimp up to 1.5 mm²	GHG 572 9112 R0001	
24 V AC	6-pol + PE	12 h	Crimp up to 2.5 mm²	GHG 572 9212 R0001	
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 572 9104 R0002	Only available in metal version!
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 572 9204 R0002	
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm²	GHG 572 9106 R0002	
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm²	GHG 572 9206 R0002	
24 V DC	7-pol	8 h	30 cm multi wire 1.5 mm²	GHG 572 9108 R0002	
24 V DC	7-pol	8 h	30 cm multi wire 2.5 mm²	GHG 572 9208 R0002	
Inlet made of nickel-plated brass					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 572 9104 R3001	GHG 572 9104 R6001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 572 9204 R3001	GHG 572 9204 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm²	GHG 572 9106 R3001	GHG 572 9106 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm²	GHG 572 9206 R3001	GHG 572 9206 R6001
Inlet made of stainless steel					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 572 9104 R1001	GHG 572 9104 R5001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 572 9204 R1001	GHG 572 9204 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm²	GHG 572 9106 R1001	GHG 572 9106 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm²	GHG 572 9206 R1001	GHG 572 9206 R5001



Ordering key eXLink inlet 6+1-pole/7-pole > 2000 cm³

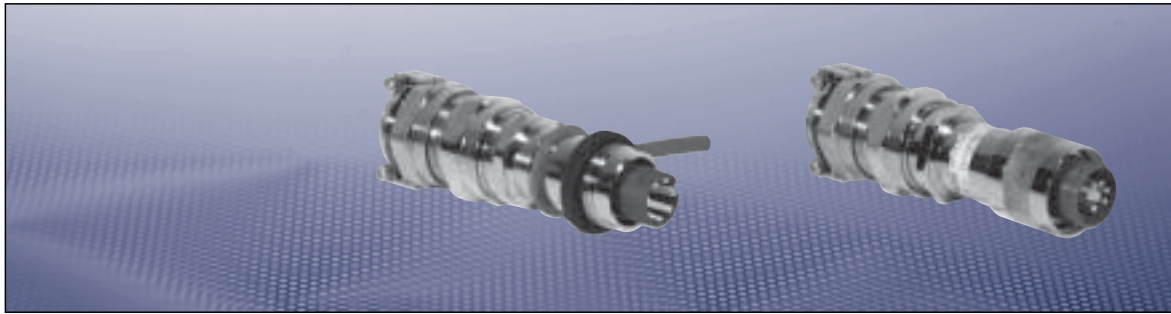
Metal version for EEx-d application with free volume > 2000 cm³

GHG 572 6XXX RXX01

1. Connection technology	2. Coding	3. Material	4. Diameter of connection cable
1 = 30 cm multi wire 1.5 mm²	04 = 4 h	1 = Stainless steel AISI 316L with M25 thread	0 = without locking device
2 = 30 cm multi wire 2.5 mm²	06 = 6 h	3 = Nickel-plated brass with M25 thread	9 = with locking device
	08 = 8 h	5 = Stainless steel AISI 316L with 3/4" NPT thread	
	10 = 10 h	6 = Nickel-plated brass with 3/4" NPT thread	
	12 = 12 h		

Ordering details

Voltage	No. of poles	Coding	Connection	Thread M25 x 1.5 Order No.	3/4" NPT Order No.
Inlet made of stainless steel for V > 2000 cm³					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 572 6104 R1001	GHG 572 6104 R5001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 572 6204 R1001	GHG 572 6204 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm²	GHG 572 6106 R1001	GHG 572 6106 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm²	GHG 572 6206 R1001	GHG 572 6206 R5001
24 V DC	7-pol	8 h	30 cm multi wire 1.5 mm²	GHG 572 6108 R1001	GHG 572 6108 R5001
24 V DC	7-pol	8 h	30 cm multi wire 2.5 mm²	GHG 572 6208 R1001	GHG 572 6208 R5001
400 V AC	6-pol + PE	10 h	30 cm multi wire 1.5 mm²	GHG 572 6110 R1001	GHG 572 6110 R5001
400 V AC	6-pol + PE	10 h	30 cm multi wire 2.5 mm²	GHG 572 6210 R1001	GHG 572 6210 R5001
24 V AC	6-pol + PE	12 h	30 cm multi wire 1.5 mm²	GHG 572 6112 R1001	GHG 572 6112 R5001
24 V AC	6-pol + PE	12 h	30 cm multi wire 2.5 mm²	GHG 572 6212 R1001	GHG 572 6212 R5001
Inlet made of nickel-plated brass V > 2000 cm³					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm²	GHG 572 6104 R3001	GHG 572 6104 R6001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm²	GHG 572 6204 R3001	GHG 572 6204 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm²	GHG 572 6106 R3001	GHG 572 6106 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm²	GHG 572 6206 R3001	GHG 572 6206 R6001
24 V DC	7-pol	8 h	30 cm multi wire 1.5 mm²	GHG 572 6108 R3001	GHG 572 6108 R6001
24 V DC	7-pol	8 h	30 cm multi wire 2.5 mm²	GHG 572 6208 R3001	GHG 572 6208 R6001
400 V AC	6-pol + PE	10 h	30 cm multi wire 1.5 mm²	GHG 572 6110 R1001	GHG 572 6110 R5001
400 V AC	6-pol + PE	10 h	30 cm multi wire 2.5 mm²	GHG 572 6210 R1001	GHG 572 6210 R5001
24 V AC	6-pol + PE	12 h	30 cm multi wire 1.5 mm²	GHG 572 6112 R3001	GHG 572 6112 R6001
24 V AC	6-pol + PE	12 h	30 cm multi wire 2.5 mm²	GHG 572 6212 R3001	GHG 572 6212 R6001



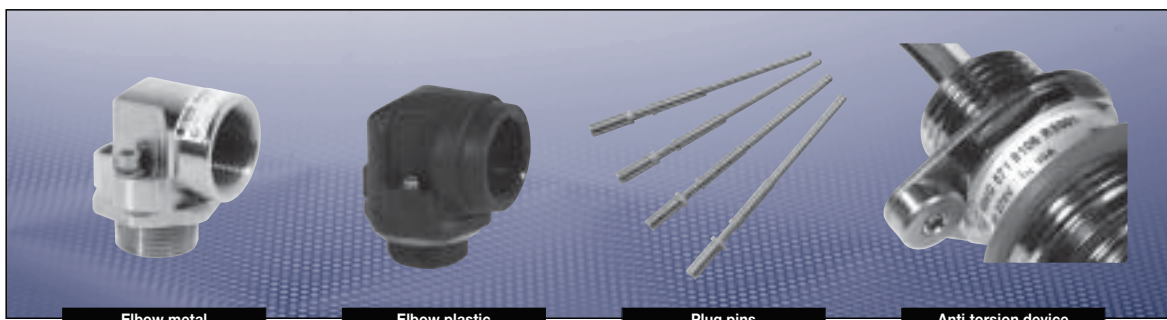
Ordering key eXLink plug/coupler for armoured cables

GHG 572 XXXX RXX01

1. Version	2. Connection technology	3. Coding	4. Material	5. Diameter of connection cable
3 = Coupler 7 = Plug	1 = Crimp up to 1.5 mm ² 2 = Crimp up to 2.5 mm ²	04 = 4 h 06 = 6 h 08 = 8 h 10 = 10 h 12 = 12 h	2 = Stainless steel AISI 316L* 4 = Nickel-plated brass * Strain relief in nickel-plated brass	0 = without locking device 8 = Plug with protection cap 9 = with locking device

Ordering details

Voltage	No. of poles	Coding	Connection	Diameter of connection cable 16 - 26 mm Plug Order No.	Coupler Order No.
Plug/coupler made of stainless steel for armoured cables					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 7104 R2001	GHG 572 3104 R2001
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 7204 R2001	GHG 572 3204 R2001
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 7106 R2001	GHG 572 3106 R2001
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 7206 R2001	GHG 572 3206 R2001
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 7108 R2001	GHG 572 3108 R2001
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 7208 R2001	GHG 572 3208 R2001
400 V AC	6-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 572 7110 R2001	GHG 572 3110 R2001
400 V AC	6-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 572 7210 R2001	GHG 572 3210 R2001
24 V AC	6-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 572 7112 R2001	GHG 572 3112 R2001
24 V AC	6-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 572 7212 R2001	GHG 572 3212 R2001
Plug/coupler made of nickel-plated brass for armoured cables					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 7104 R4001	GHG 572 3104 R4001
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 7204 R4001	GHG 572 3204 R4001
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 7106 R4001	GHG 572 3106 R4001
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 7206 R4001	GHG 572 3206 R4001
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 7108 R4001	GHG 572 3108 R4001
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 7208 R4001	GHG 572 3208 R4001
400 V AC	6-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 572 7110 R4001	GHG 572 3110 R4001
400 V AC	6-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 572 7210 R4001	GHG 572 3210 R4001
24 V AC	6-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 572 7112 R4001	GHG 572 3112 R4001
24 V AC	6-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 572 7212 R4001	GHG 572 3212 R4001



Elbow metal

Elbow plastic

Plug pins

Anti torsion device

Ordering key eXLink elbow

GHG 572 1000 RX001

Material

0 = Plastic

1 = Stainless steel AISI 316L

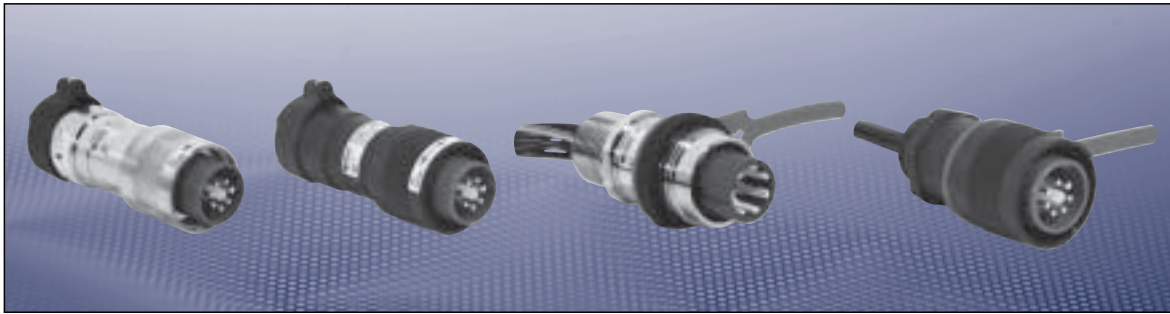
3 = Nickel-plated brass

Ordering details

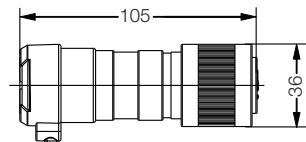
Type	Material	Order No.
Elbow M25	Plastic	GHG 572 1000 R0001
Elbow M25	Stainless steel AISI 316L	GHG 572 1000 R1001
Elbow M25	Nickel-plated brass	GHG 572 1000 R3001

Accessories

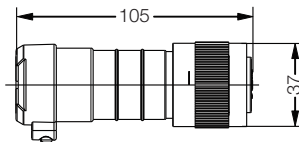
Type	BE	Order No.
Set of socket contacts 1.5 mm ² , 7-pole	1	GHG 570 1905 R0005
Set of socket contacts 2.5 mm ² , 7-pole	1	GHG 570 1905 R0006
Crimp tool for eXLink	1	GHG 570 1902 R0001
Plastic protection cap connector/receptacle 7-pole	1	GHG 570 1903 R0005
Plastic protection cap plug/inlet 7-pole	1	GHG 570 1903 R0006
Brass protection cap connector/receptacle 7-pole	1	GHG 570 1903 R0007
Brass protection cap plug/inlet 7-pole	1	GHG 570 1903 R0008
Set of plug pins 1.5 mm ² , 6-pole + PE (PE leading AC)	1	GHG 570 1904 R0007
Set of plug pins 1.5 mm ² , 7-pole (lagging DC)	1	GHG 570 1904 R0008
Set of plug pins 2.5 mm ² , 6-pole + PE (PE leading AC)	1	GHG 570 1904 R0009
Set of plug pins 2.5 mm ² , 7-pole (lagging DC)	1	GHG 570 1904 R0010
Screw driver for cage clamp	1	GHG 570 1908 R0001
Strain relief and seal 7 - 11 mm	1	GHG 570 1907 R0003
Strain relief and seal 11 - 15 mm	1	GHG 570 1907 R0004
Strain relief and seal + PE connection 7 - 11	1	GHG 570 1907 R0005
Strain relief and seal + PE connection 11-15	1	GHG 570 1907 R0005
Anti torsion device	1	GHG 570 1901 R0003



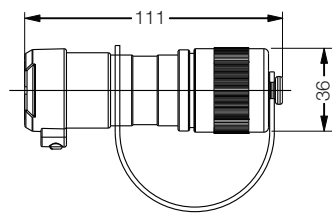
Dimension drawings eXLink 6+1-pole



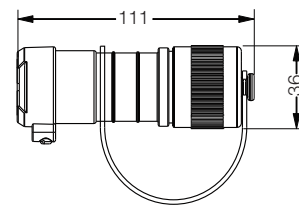
Plug metal version



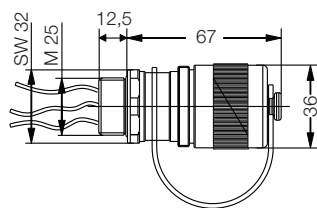
Plug plastic version



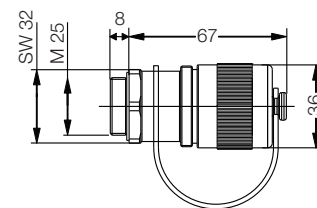
Coupler metal version



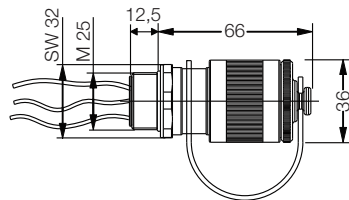
Coupler plastic version



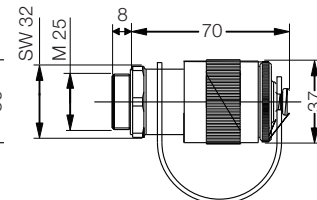
Inlet metal version



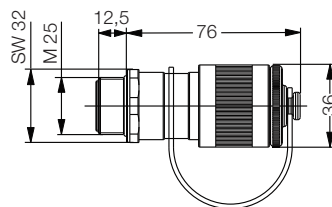
Inlet plastic version



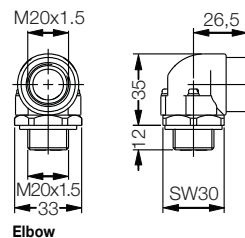
Receptacle metal version: V < 2000 cm³



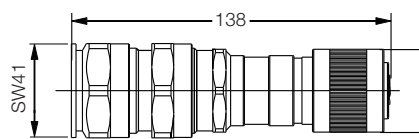
Receptacle plastic version



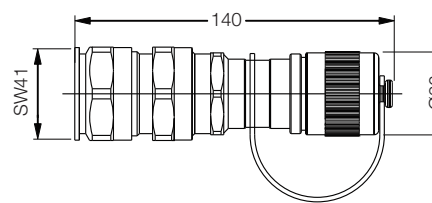
Receptacle metal version: V > 2000 cm³



Elbow

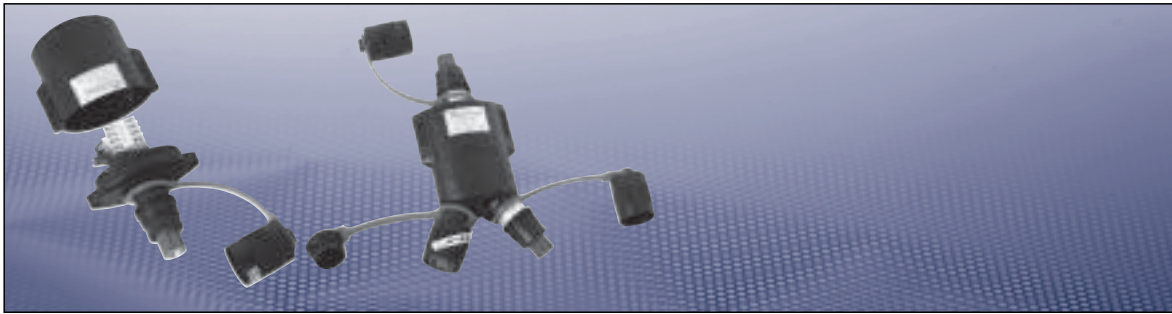


Plug for armoured cable



Coupler for armoured cable

Dimensions in mm



Technical data

Y-Junction-box / Y-Adaptor

Marking to 94/9/EC	II 2 G EEx de IIC T6/T5 / II 2D IP66 T 80° C/ T 95° C	
EC-Type Examination Certificate	PTB 05 ATEX 1084	
Permissible ambient temperature	- 20 °C up to + 40 °C	
Extended temperature range	- 55 °C up to + 75 °C (dept. on current/wire)	
Store temperature in original wrapping	- 55 °C up to + 80 °C	
Rated voltage	AC up to 250 V, 50/60 Hz / DC up to 60 V	
Rated current		
with terminal block	AC - max. 9.3 A	DC - max. 2.5 A
without terminal block	AC - max. 10.0 A	DC - max. 2.5 A
Frequency range	0-100 MHz, fast Ethernet compatible	
Transmission performance acc. to TIA/EIA-568-B.2	Category 5e up to 100 Mbaud	
Back-up fuse max. without thermal protection	10 A	
Back-up fuse max. with thermal protection	20 A gL	
Breaking capacity acc. to EN 61 984:	AC - 250 V / 10.0 A	DC - 60 V/ 2.5 A
Breaking capacity acc. to EN 60 947-4:	AC 3 - 250 V / 1.0 A	DC 3 - 60 V/ 0.5 A
Insulation class acc. EN 60598	II / I	
Wire cross section Y-adaptor		
multi wire	0.34 mm ² - 1.5 mm ²	
extra fine wire	0.34 mm ² - 0.75 mm ²	
Cable entry Y-adaptor	Ø 4 - 7.5 mm / Ø 7.5 - 11 mm	
Degree of protection EN 60529	IP66/IP68 with closed and locked protective caps or duly plugged and locked components	
Enclosure material	Polyamide (PA)	

Y-junction-box

2 x cable glands

Inlet or receptacle

**Ex-protected connectors eXLink****Y-Adaptor**

Inlet or receptacle

Pos. BInlet/inlet
or
inlet/receptacle**Pos. A****Pos. C****7. Diameter of connection cable¹⁾**

1 = 4.0 – 7.5 mm

2 = 7.5 – 11 mm

GHG 57X X6XX RXX0X

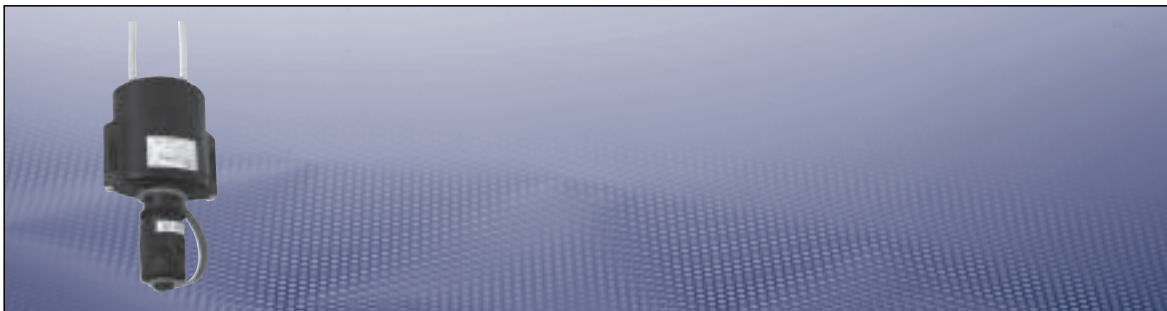
1. Pole No.	2. Type	4. Coding	5. Material ¹⁾	6. Locking device
5 = 4-pole 6 = 4-pole + PE	1 = Y-junction box inlet with cable entry 2 = Y-junction box receptacle with cable entry	01 = 1 h 02 = 2 h 04 = 4 h 05 = 5 h 06 = 6 h 08 = 8 h 10 = 10 h 12 = 12 h	0 = eXLink in plastic version 1 = eXLink in stainless steel version 3 = eXLink in nickel-plated brass version	0 = without 9 = with

¹⁾ Enclosure material made of plastic (PA)

Ordering key Y-Adaptor**GHG 57X XXXXX RXXXX**

1. Pole No.	2. Type	3. Coding	4. Material ¹⁾	5. Locking device
5 = 4-pole 6 = 4-pole + PE	8 = Y-Adaptor Inlet (A) Receptacle (B) Receptacle (C) 9 = Y-Adaptor Receptacle (A) Inlet (B) Receptacle (C)	Pos. A - B - C: 01 = 1 h Pos. A - B - C: 02 = 2 h Pos. A - B - C: 04 = 4 h Pos. A - B - C: 05 = 5 h Pos. A - B - C: 06 = 6 h Pos. A - B - C: 08 = 8 h Pos. A - B - C: 10 = 10 h Pos. A - B - C: 12 = 12 h	0 = eXLink in plastic version 1 = eXLink in stainless steel version 3 = eXLink in nickel-plated version	0 = without 1 = A / - / - 2 = - / B / - 3 = - / - / C 4 = A / B / C 5 = A / B / - 6 = A / - / C 7 = - / B / C

¹⁾ Enclosure material made of plastic (PA)



7. Diameter of connection cable¹⁾

1 = 4.0 – 7,5 mm

2 = 7,5 – 11 mm

GHG 57X X6XX RXX0X

1. Pole No.	2. Type	4. Coding	5. Material ¹⁾	6. Locking device
5 = 4-pole	1 = Y-Junction box inlet with cable entry	01 = 1 h	0 = eXLink in plastic version	0 = without
6 = 4-pole + PE	2 = Y-Junction box receptacle with cable entry	02 = 2 h	1 = eXLink in stainless steel version	9 = with
		04 = 4 h	3 = eXLink in nickel- plated brass version	
		05 = 5 h		
		06 = 6 h		
		08 = 8 h		
		10 = 10 h		
		12 = 12 h		

¹⁾ Enclosure material made of plastic (PA)

Ordering details Y-Junction-box

Voltage	No. of poles	Coding	Connection	Diameter of connection cable	
				4.5 – 7 mm Order No.	7 – 11 mm Order No.
Y-Junction-box with eXLink inlet made of plastic version					
Ethernet/Bus	4-pol + PA	1 h	Cage clamp 1.5 mm ²	GHG 576 1601 R0001	GHG 576 1601 R0002
110 V AC	2-pol + PE	4 h	Cage clamp 1.5 mm ²	GHG 575 1604 R0001	GHG 575 1604 R0002
110 V AC	2-pol + PE	4 h	Cage clamp 2.5 mm ²	GHG 575 1604 R0001	GHG 575 1604 R0002
24 V DC	4-pol + PA	5 h	Cage clamp 1.5 mm ²	GHG 576 1605 R0001	GHG 576 1605 R0002
24 V DC	4-pol + PA	5 h	Cage clamp 2.5 mm ²	GHG 576 1605 R0001	GHG 576 1605 R0002
230 V AC	2-pol + PE	6 h	Cage clamp 1.5 mm ²	GHG 575 1606 R0001	GHG 575 1606 R0002
230 V AC	2-pol + PE	6 h	Cage clamp 2.5 mm ²	GHG 575 1606 R0001	GHG 575 1606 R0002
24 V DC	4-pol	8 h	Cage clamp 1.5 mm ²	GHG 575 1608 R0001	GHG 575 1608 R0002
24 V DC	4-pol	8 h	Cage clamp 2.5 mm ²	GHG 575 1608 R0001	GHG 575 1608 R0002
230 V AC	4-pol + PE	10 h	Cage clamp 1.5 mm ²	GHG 576 1610 R0001	GHG 576 1610 R0002
230 V AC	4-pol + PE	10 h	Cage clamp 2.5 mm ²	GHG 576 1610 R0001	GHG 576 1610 R0002
24 V AC	2-pol + PE	12 h	Cage clamp 1.5 mm ²	GHG 575 1612 R0001	GHG 575 1612 R0002
24 V AC	2-pol + PE	12 h	Cage clamp 2.5 mm ²	GHG 575 1612 R0001	GHG 575 1612 R0002
Y-Junction-box with eXLink inlet made of stainless steel version					
Ethernet/Bus	4-pol + PA	1 h	Cage clamp 1.5 mm ²	GHG 576 1601 R1001	GHG 576 1601 R1002
110 V AC	2-pol + PE	4 h	Cage clamp 1.5 mm ²	GHG 575 1604 R1001	GHG 575 1604 R1002
110 V AC	2-pol + PE	4 h	Cage clamp 2.5 mm ²	GHG 575 1604 R1001	GHG 575 1604 R1002
24 V DC	4-pol + PA	5 h	Cage clamp 1.5 mm ²	GHG 576 1605 R1001	GHG 576 1605 R1002
24 V DC	4-pol + PA	5 h	Cage clamp 2.5 mm ²	GHG 576 1605 R1001	GHG 576 1605 R1002
230 V AC	2-pol + PE	6 h	Cage clamp 1.5 mm ²	GHG 575 1606 R1001	GHG 575 1606 R1002
Y-Junction-box receptacle made of plastic version					
Ethernet/Bus	4-pol + PA	1 h	Cage clamp 1.5 mm ²	GHG 576 2601 R0001	GHG 576 2601 R0002
110 V AC	2-pol + PE	4 h	Cage clamp 1.5 mm ²	GHG 575 2604 R0001	GHG 575 2604 R0002
110 V AC	2-pol + PE	4 h	Cage clamp 2.5 mm ²	GHG 575 2604 R0001	GHG 575 2604 R0002
24 V DC	4-pol + PA	5 h	Cage clamp 1.5 mm ²	GHG 576 2605 R0001	GHG 576 2605 R0002
24 V DC	4-pol + PA	5 h	Cage clamp 2.5 mm ²	GHG 576 2605 R0001	GHG 576 2605 R0002
230 V AC	2-pol + PE	6 h	Cage clamp 1.5 mm ²	GHG 575 2606 R0001	GHG 575 2606 R0002



GHG 57X XXXXX RXXXX

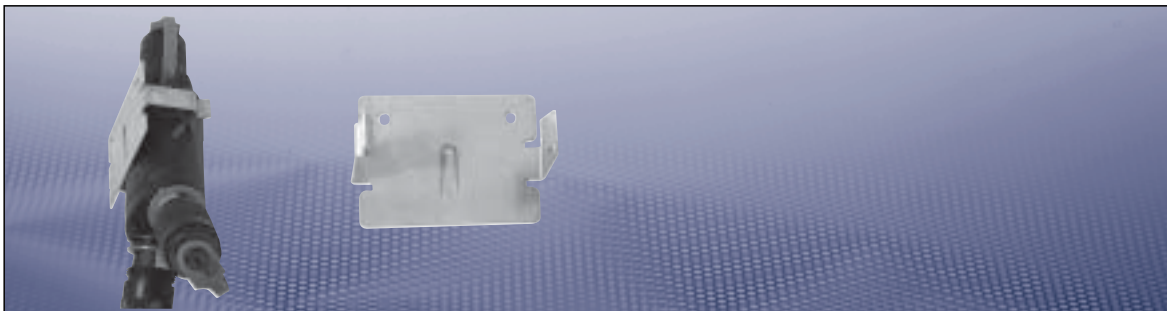
1. Pole No.	2. Type	3. Coding	4. Material	5. Locking device
5 = 4-pole 6 = 4-pole + PE	8 = Y-Adaptor Inlet (A) Receptacle (B) Receptacle (C) 9 = Y-Adaptor Receptacle (A) Inlet (B) Receptacle (C)	Pos. A - B - C: 01 = 1 h Pos. A - B - C: 02 = 2 h Pos. A - B - C: 04 = 4 h Pos. A - B - C: 05 = 5 h Pos. A - B - C: 06 = 6 h Pos. A - B - C: 08 = 8 h Pos. A - B - C: 10 = 10 h Pos. A - B - C: 12 = 12 h	0 = eXLink in plastic version 1 = eXLink in stainless steel version 3 = eXLink in nickel-plated version	0 = without 1 = A / - / - 2 = - / B / - 3 = - / - / C 4 = A / B / C 5 = A / B / - 6 = A / - / C 7 = - / B / C

Ordering details Y-Adaptor

Voltage	No. of poles	Coding	Pos. A/Pos. B – Pos. C Inlet/receptacle-receptacle Order No.	Pos. A/Pos. B – Pos. C Receptacle/inlet-receptacle Order No.
Y-adaptor with eXLink 4-pole/4-pole + PE components made of plastic				
Ethernet/Bus	4-pol. + PA	1 h	GHG 576 80101 R0100	GHG 576 90101 R0100
110 V AC	2-pol. + PE	4 h	GHG 575 80404 R0400	GHG 575 90404 R0400
24 V DC	4-pol. + PA	5 h	GHG 576 80505 R0500	GHG 576 90505 R0500
230 V AC	2-pol. + PE	6 h	GHG 575 80606 R0600	GHG 575 90606 R0600
24 V DC	4-pol.	8 h	GHG 575 80808 R0800	GHG 575 90808 R0800
230 V AC	4-pol. + PE	10 h	GHG 576 81010 R1000	GHG 576 91010 R1000
24 V AC			GHG 575 81200 R1200	

Y-adaptor with eXLink 4-pole/4-pole + PE components made of stainless steel				
Ethernet/Bus	4-pol. + PA	1 h	GHG 576 80101 R0110	GHG 576 90101 R0110
110 V AC	2-pol. + PE	4 h	GHG 575 80404 R0410	GHG 575 90404 R0410
24 V DC	4-pol. + PA	5 h	GHG 576 80505 R0510	GHG 576 90505 R0510
230 V AC	2-pol. + PE	6 h	GHG 575 80606 R0610	GHG 575 90606 R0610
24 V DC	4-pol.	8 h	GHG 575 80808 R0810	GHG 575 90808 R0810
230 V AC	4-pol. + PE	10 h	GHG 576 81010 R1110	GHG 576 91010 R1110
24 V AC			GHG 575 81200 R1210	

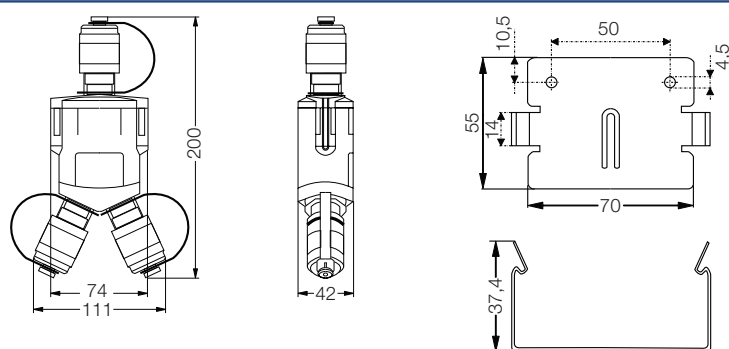
Y-Adaptor with eXLink 4-pole/4-pole + PE components made of nickel-plated brass				
Ethernet/Bus	4-pol. + PA	1 h	GHG 576 80301 R0130	GHG 576 90301 R0130
110 V AC	2-pol. + PE	4 h	GHG 575 80404 R0430	GHG 575 90404 R0430
24 V DC	4-pol. + PA	5 h	GHG 576 80505 R0530	GHG 576 90505 R0530
230 V AC	2-pol. + PE	6 h	GHG 575 80606 R0630	GHG 575 90606 R0630
24 V DC	4-pol.	8 h	GHG 575 80808 R0830	GHG 575 90808 R0830
230 V AC	4-pol. + PE	10 h	GHG 576 83030 R1130	GHG 576 93030 R1130
24 V AC			GHG 575 81230 R1230	



Accessories

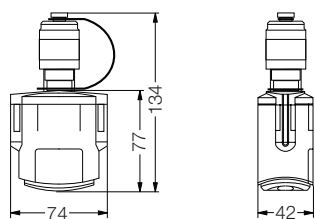
Type	BE	Version			Order No.
		3+PE	4 pol.	4+PE	
Plastic protection cap connector/receptacle	1	X	X	X	GHG 570 1903 R0001
Plastic protection cap plug/inlet	1	X	X	X	GHG 570 1903 R0002
Brass protection cap connector/receptacle	1	X	X	X	GHG 570 1903 R0003
Brass protection cap plug/inlet	1	X	X	X	GHG 570 1903 R0004
Strain relief and seal 4 - 7.5 mm	1	X	X	X	GHG 570 1907 R0001
Strain relief and seal 7.5 - 11 mm	1	X	X	X	GHG 570 1907 R0002
Mounting plate	1	X	X	X	GHG 570 1914 R0001

Dimension drawings



Y-Adaptor

Mounting plate



Y-Junction box

Dimensions in mm



INSTALLATION TECHNOLOGY MADE EASY -

Pre-assembled branching/terminal boxes

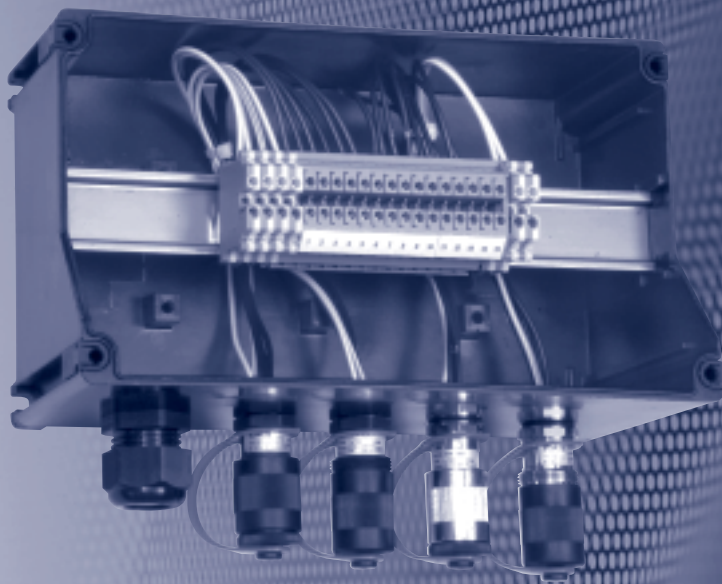
Each user can enjoy the benefits of the **eXLink** with the pre-assembled branching boxes without having to first perform additional wiring work.

Typical applications such as energy distribution, power supply for modules or bus technology can be performed at a reasonable price. For example, a control unit can be quickly and safely connected to a pre-assembled **eXLink** branching box and disconnected using **eXLink** plugs, leading to cost and time savings during service- and repair work. An additional switch is no longer required.

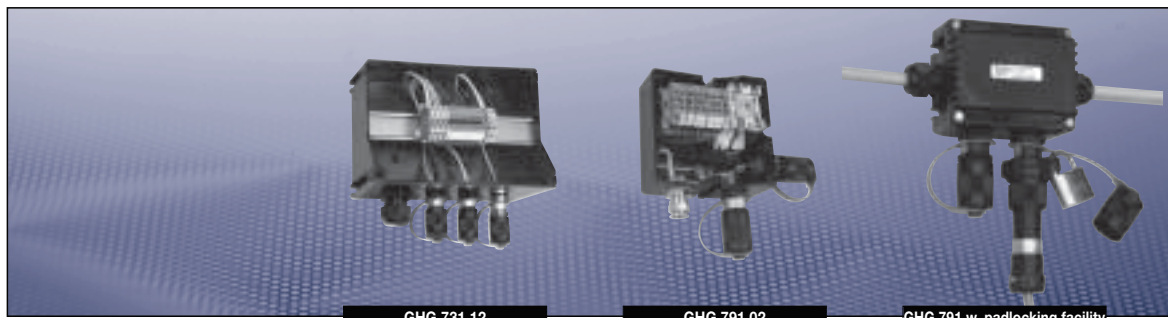
All connectors can be plugged or disconnect during operation ("hot swap").

If terminal boxes are used for distributing bus cables, these can also be plugged during operation "hot swap" with **eXLink**. No re-boot or shut-down of the system is necessary. This makes diagnosis or re-configuration much easier. There is no need to waste time isolating devices, and possibly having to shut down a machine in the process.

Cables with **eXLink** plugs and coupler can be ordered ready made according your requirements in different lengths and versions. This is a tremendous cost reduction factor for your commissioning of the system. You can plug together all necessary bus lines, power supply systems and monitoring lines without commissioning of cables, terminals and connectors. No additional cost for re-assembling of cables, re-wiring of connections and testing procedures will arise.



- Pre-assembled **eXLink** connectors wired on terminals
- for all standard connection types up to 4-pole + PE
- Nominal current up to 10 A per connector
- Compatible with Ethernet® and Fast Ethernet®-Bus



Technical data

Type 791 01 | Type 791 02

Marking to 94/9/EC	Ex II 2 G D EEx e II T6 EEx ia IIC T6 Ex II 2 D IP66 T80 °C
EC-Type Examination Certificate	PTB 00 ATEX 3108
Permissible ambient temperatur	-20 °C to +40 °C -55 °C to +40 °C (option)
Rated voltage	690 V / 250 V eXLink
Rated current	limited by terminal arrangement and eXLink
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure material	Polyamide

Type 791 01

Connecting terminals	up to 4 mm ²
Cable glands/enclosure drilling	max. 2 x M25 or 1 x M25 + 2 x M12
Dimensions (L x W x H)	81.5 x 100 x 61 mm
Weight	approx. 0.5 kg

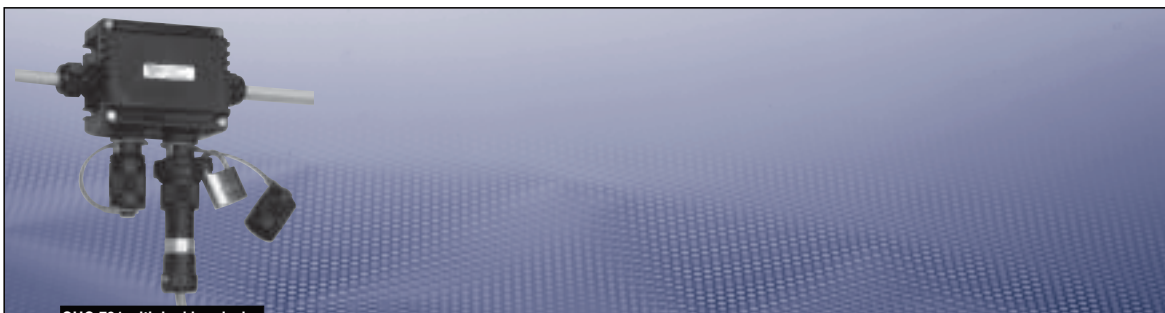
Type 791 02

Connecting terminals	up to 6 mm ²
Cable glands/enclosure drilling	max. 2 x M25 or 1 x M32 + 1 x M25 or 1 x M25 + 4 x M12
Dimensions (L x W x H)	117.5 x 113.5 x 73.5 mm
Weight	approx. 0.7 kg

Type 731 11

Marking to 94/9/EC	Ex II 2 G D EEx e II T6 EEx ia IIC T6 Ex II 2 D IP66 T80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20 °C to +40 °C -55 °C to +55 °C (option)
Rated voltage	690 V / 250 V eXLink
Rated current	limited by terminal arrangement and eXLink
Connecting terminals	up to 16 mm ²
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure material	Glass-fibre reinforced polyester
Dimensions (L x W x H)	140 x 120 x 95 mm
Weight	approx. 1.2 kg

| Explosion protected terminal boxes eXLink |

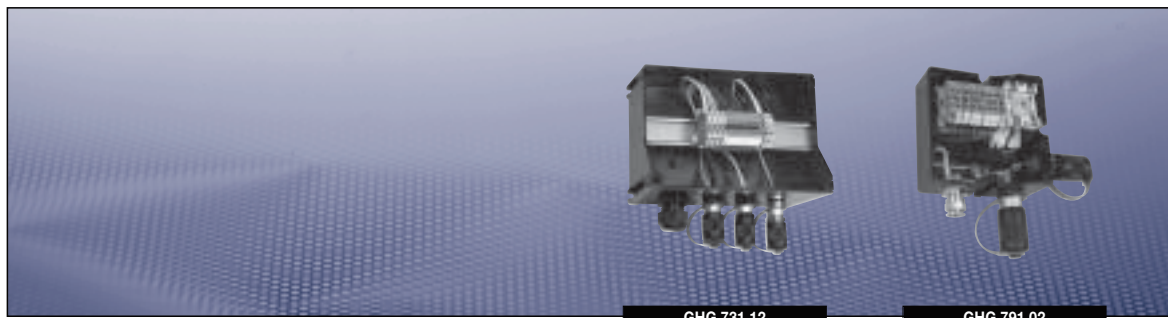


GHG 791 with locking device

Ordering details GHG 79101

Coding Hour	Components	Cable glands	Terminals	Order No.
Ordering details for ready made, prewired terminal boxes				
230 V AC 10h	2 x Receptacle GHG 574 8110 R000x	2 x M20	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5006
230 V AC 10h	2 x Receptacle GHG 574 8110 R300x	2 x M20	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5106
24 V DC 08h	1 x Receptacle GHG 571 8108 R000x	2 x M20 1 x M20 screw plug	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5201
24 V DC 08h	1 x Receptacle GHG 571 8108 R000x	1 x M20	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5202
230 V AC 10h	1 x Receptacle GHG 574 8110 R000x	1 x M25	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5203
24 V AC 12h	1 x Receptacle GHG 571 8212 R000x	1 x M20	2 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5204
230 V AC 06h	1 x Receptacle GHG 571 8106 R000x	2 x M20 1 x M20 screw plug	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5206
24 V DC 08h	1 x Receptacle GHG 571 8208 R000x	2 x M20 1 x M20 screw plug	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5208
230 V AC 10h	1 x Receptacle lockable GHG 574 8110 R090x	1 x M25	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5210
24 V AC 12h	1 x Receptacle GHG 571 8112 R000x	1 x M20 1 x M20 screw plug	2 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5212
24 V DC 08h	1 x Receptacle GHG 571 8108 R000x	1 x M20	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5213
230 V AC 06h	1 x Receptacle GHG 571 8106 R000x	1 x M20	2 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5214
24 V DC 05h	1 x Receptacle GHG 574 8105 R000x	1 x M25	6 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5215
230 V AC 06h	1 x Receptacle GHG 571 8106 R000x	1 x M20	2 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5216
24 V DC 08h	1 x Receptacle GHG 571 8208 R000x	1 x M25	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5217
24 V DC 08h	1 x Receptacle GHG 571 9108 R300x	2 x M12	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5218
230V AC 06h	1 x Inlet GHG 571 9106 R000x	1 x M20	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5219
BUS Ex-i 02h	1 x Receptacle GHG 571 8208 R300x	1 x M20 Ex-i	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5220
BUS Ex-i 08	1 x Receptacle GHG 571 8108 R300x	1 x M20 Ex-i	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5221
24V DC 08h	1 x Inlet GHG 571 9108 R000x	1 x M20	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5222
24V DC 05h	1 x Inlet GHG 574 9105 R000x	2 x M16	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5223
BUS Ex-i 08	1 x Receptacle GHG 571 8108 R000x	1 x M20 Ex-i	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5224

Other types on request



Ordering details

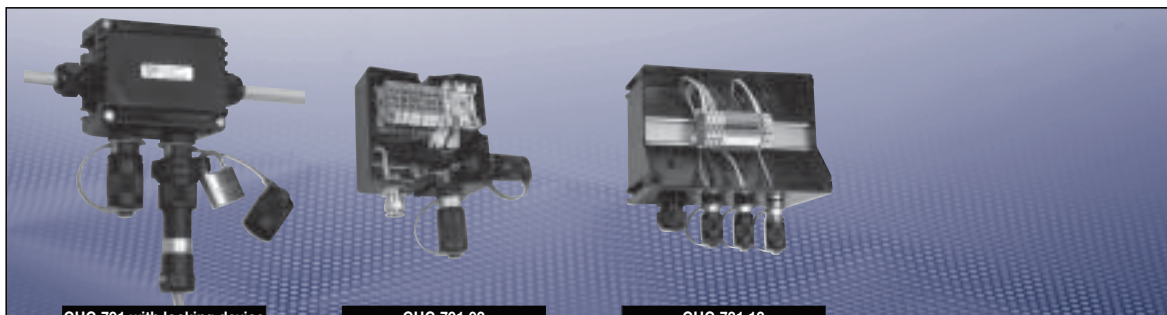
Coding Hour	Components	Cable glands	Terminals	Order No.
Ordering details for ready made, prewired terminal boxes				
02h / 08h	1 x Receptacle GHG 571 8102 R300x	2 x M20	8 x 2.5 mm ²	GHG 791 0101 R5226
	1 x Receptacle GHG 571 8108 R300x		1 x PE/PA	
BUS 02h	1 x Receptacle GHG 571 8102 R000x	2 x M20 1 x M20 screw plug	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5227
BUS Ethernet 01h	1 x Receptacle GHG 574 8101 R000x 1 x plug (enclosed) GHG5747101R0001	1 x M12	2 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5228

Ordering details for ready made, prewired terminal boxes GHG 791 02				
230 V AC 06h	3 x Receptacle GHG 571 8106 R 000x	1 x M25	5 x 2.5 mm ² 2 x PE/PA	GHG 791 0201 R5001
24 V DC 08h	1 x Receptacle GHG 571 8108 R000x	1 x M20 Ex-i	12 x 2.5 mm ²	GHG 791 0201 R5002
24 V DC 12h	1 x Receptacle GHG 571 8112 R000x		1 x PE/PA	
230 V AC 10h	1 x Receptacle GHG 574 8210 R000x	3 x M25	12 x 2.5 mm ² 2 x PE/PA	GHG 791 0201 R5003
230 V AC 10h	1 x Receptacle GHG 574 8210 R000x	1 x M25 1 x M25 screw plug	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0201 R5004
230 V AC 06h	2 x Receptacle GHG 571 8106 R000x	2 x M20 trumpet shape 2 x M20 screw plug	6 x 2.5 mm ² 2 x PE/PA	GHG 791 0201 R5005
230 V AC 10h	2 x Receptacle GHG 574 8110 R300x	2 x M25	8 x 2.5 mm ² 2 x PE/PA	GHG 791 0201 R5006
230 V AC 06h	2 x Receptacle GHG 571 8206 R000x	2 x M25	4 x 2.5 mm ² 2 x PE/PA	GHG 791 0201 R5007
24 V DC 08h	1 x Receptacle GHG 572 8108 R300x	2 x M16	12 x 2.5 mm ² 2 x PE/PA	GHG 791 0201 R5008
24V AC 12h	1 x Receptacle GHG 571 8112 R000x 1 x Receptacle GHG 572 8112 R000x	1 x M20 1 x M25	8 x 2.5 mm ² 1 x PE/PA	GHG 791 0201 R5009
24V DC 08h	1 x Receptacle GHG 571 8108 R000x	1 x M16 Ex-i 1 x M16 screw plug 1 x M20 Ex-i	6 x 2.5 mm ² 1 x PE/PA	GHG 791 0201 R5011

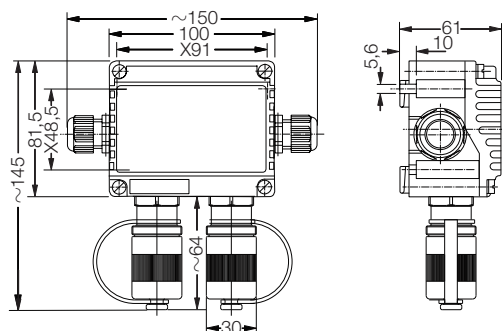
Ordering details for ready made, prewired terminal boxes GHG 731 12				
24 V DC 8h	3 x Receptacle GHG 571 8108 R000x	1 x M25 Ex-i	12 x 2.5 mm ²	GHG 731 1201 R5001
230 V AC 3h	1 x Inlet GHG 574 9103 R000x	1 x M25 Ex-i	12 x 2.5 mm ²	GHG 731 1201 R5002
230 V AC 10h	1 x Inlet GHG 574 9110 R000x	2 x M25	8 x 2.5 mm ² 2 x PE/PA	

Other types and sizes on request

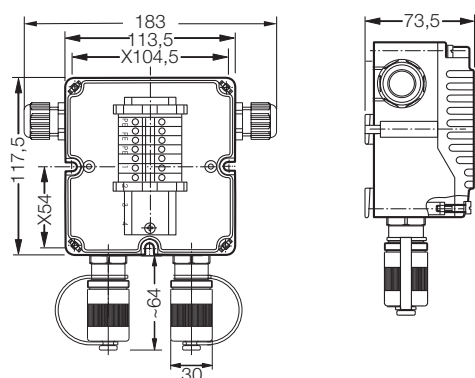
Explosion protected terminal boxes eXLink



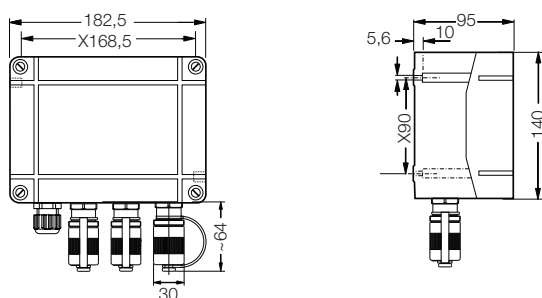
Dimension drawings eXLink



Type 791 01



Type 791 02



Type 731 12

Dimensions in mm



M U L T I P U R P O S E T E R M I N A L

Multi Purpose Terminal more power for Zone 1

Neither sparks nor hot surfaces may cause explosion hazards in areas where flammable gases, vapours, or mists may occasionally exist. Electrical apparatus for use in these areas must contain protection methods to prevent this. In the past this meant that you had to obtain a hot work permit when you wanted to carry out maintenance work on these circuits. Alternatively the circuits would have to be intrinsically safe. The new multi purpose terminal employs a 2-step removal process to ensure that possible high energy sparks will be kept inside the flame proof enclosure of the terminals. The red removal lever of the terminals (see photo) separates the electrical circuits. The metal pins of the module remain within the flame proof area until the module is removed manually. At this point sparks will have been extinguished already and the module will be volt free.

Common Data

maximum voltage 400 V

maximum current 6.3 A

permissible wire diameter 0.8 ... 2.5 mm²



Hot Swap in Zone 1 or Zone 2

More power without hot work permits

Applications:

fusing of Ex-d valves, signal lamps, sounders etc.

can be fitted with simple 2-pole or 4-pole components such as resistors, fuses, relays etc.

diode separation of supply circuits

simple OR gate for Zone 1 mounting

visible disconnect of field devices

relay switch for power circuits

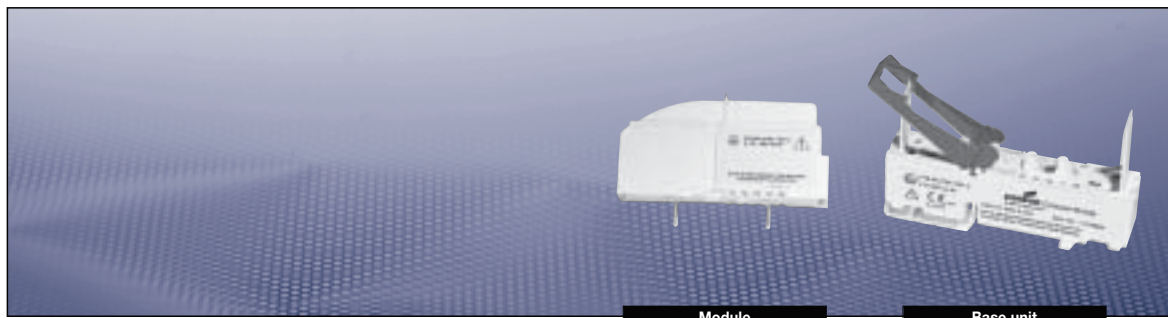
Bus termination

current limitation

opto coupler etc.

Time savings during maintenance

International approvals



Technical data

Model ExTerm

Marking to 94/9/EC	II G Ex de IIC
EC-Type Examination Certificate	PTB 04 ATEX 1007 U
Application temperature ¹⁾	-55 °C up to +55 °C
Rated voltage	400 V
Rated current	6.3 A
Rated cross section	max. 2.5 mm ²
Dimensions (L x W x H)	93 x 17.5 x 80 mm
Weight	115 g

Model ExTerm - R | ExTerm - 2R

Resistor values	1 Ω ... 22 MΩ 0.5 W
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Model ExTerm - T-Terminator for foundation Fieldbus or Profibus PA

Fieldbus	Foundation Fieldbus (Profibus PA) IEC 1158-2 (Profibus MBP)
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Model ExTerm - K

Rated switching capability (ohmic load)	6 A, 250 V AC
Max. switched load	1500 VA
Max. switched voltage	400 V AC 300 V DC
Max. switched current	6 A (AC)
Contact resistance at 6 V - 1 A	100 mΩ
Coil turn on power (at 25 °C, 50 % humidity)	170 mW
Isolation voltage	min. 1000 Vms at 500 V DC
Isolation resistance	1000 Vms between contacts
Isolation resistance	4000 Vms between contacts and coil
Response time	ca. 5 ms, max. 8 ms
Off delay	ca. 2.5 ms, max. 4 ms
Life expectancy mechanical	5 x 10 ⁶ Normally open contact: 5 x 10 ⁴
Life expectancy electrical	Normally closed contact: 3 x 10 ⁴
Contact material	Silver alloy

Model ExTerm - F

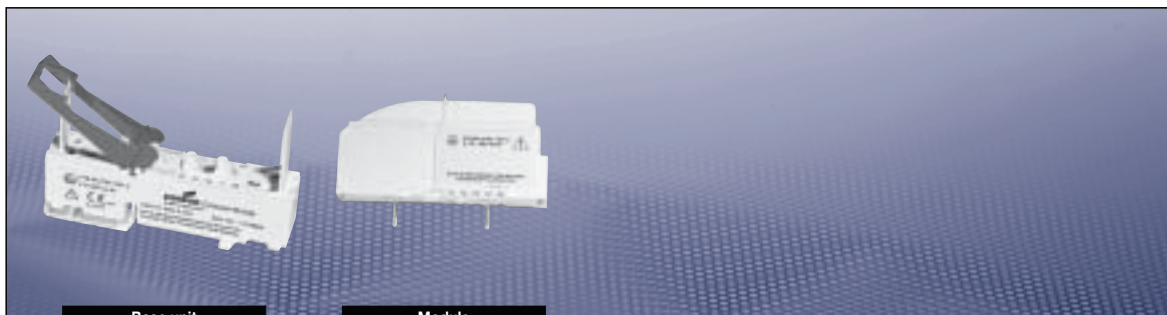
Fuse rating	see table
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Model ExTerm - D

Diode rating	1 A, 250 V
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¹⁾ depends on installation conditions

Model ExTerm - R



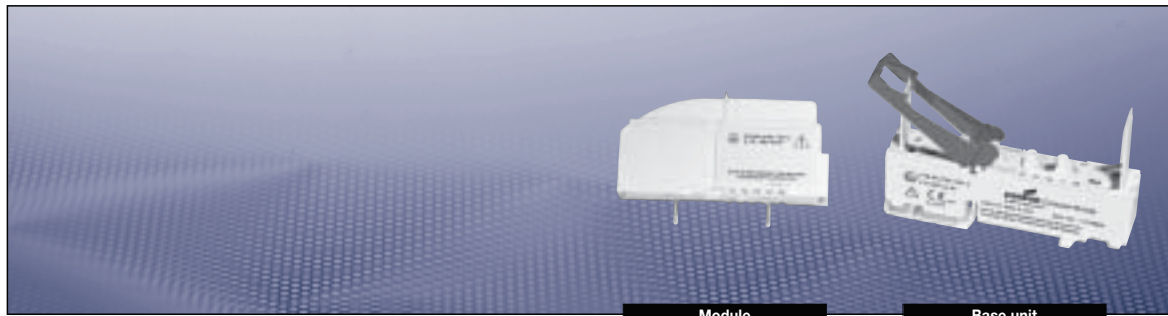
Base unit

Module

Ordering details

Resistor values	Order No.
1 x 1 R 00	GHG 101 0031 R1001
1 x 1 R 5	GHG 101 0031 R1501
1 x 2 R 21	GHG 101 0031 R2211
1 x 3 R 32	GHG 101 0031 R3321
1 x 4 R 75	GHG 101 0031 R4751
1 x 6 R 81	GHG 101 0031 R6811
1 x 10 R 0	GHG 101 0031 R1002
1 x 15 R 0	GHG 101 0031 R1502
1 x 22 R 1	GHG 101 0031 R2212
1 x 33 R 2	GHG 101 0031 R3322
1 x 47 R 5	GHG 101 0031 R4572
1 x 68 R 1	GHG 101 0031 R6812
1 x 100 R	GHG 101 0031 R1003
1 x 150 R	GHG 101 0031 R1503
1 x 221 R	GHG 101 0031 R2213
1 x 332 R	GHG 101 0031 R3323
1 x 475 R	GHG 101 0031 R4753
1 x 681 R	GHG 101 0031 R6813
1 x 1 K 0	GHG 101 0031 R1004
1 x 1 K 50	GHG 101 0031 R1504
1 x 2 K 21	GHG 101 0031 R2214
1 x 3 K 32	GHG 101 0031 R3324
1 x 4 K 75	GHG 101 0031 R4754
1 x 6 K 81	GHG 101 0031 R6814
1 x 10 K	GHG 101 0031 R1005
1 x 15 K	GHG 101 0031 R1505
1 x 22 K 1	GHG 101 0031 R2215
1 x 33 K 2	GHG 101 0031 R3325
1 x 47 K 5	GHG 101 0031 R4755
1 x 68 K 1	GHG 101 0031 R6815
1 x 100 K	GHG 101 0031 R1006
1 x 150 K	GHG 101 0031 R1506
1 x 221 K	GHG 101 0031 R2216
1 x 332 K	GHG 101 0031 R3326
1 x 475 K	GHG 101 0031 R4756
1 x 681 K	GHG 101 0031 R6816
1 x 1 M	GHG 101 0031 R1007
1 x 1 M 50	GHG 101 0031 R1507
1 x 2 M 21	GHG 101 0031 R2217
1 x 3 M 32	GHG 101 0031 R3327
1 x 4 M 75	GHG 101 0031 R4757
1 x 6 M 81	GHG 101 0031 R6817
1 x 10 M	GHG 101 0031 R1008
1 x 22 M 1	GHG 101 0031 R2218
Accessories: 2 pole base unit	GHG 101 0002 R0001

Note: Modules will be supplied without base unit.
Please order separately.



Module

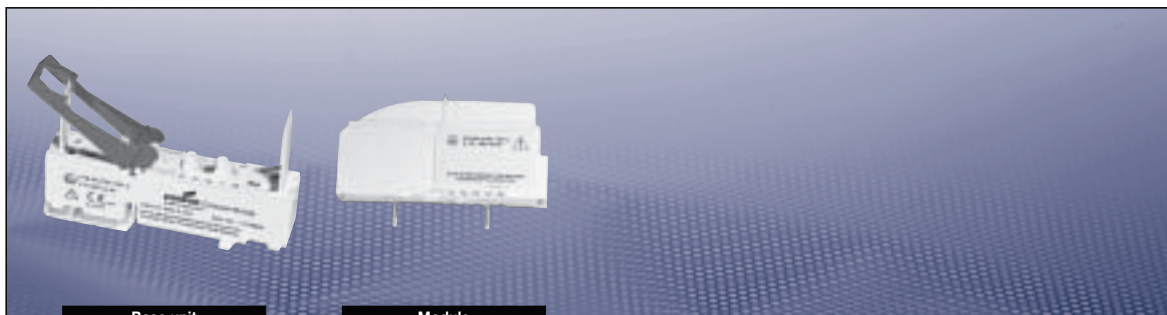
Base unit

Ordering details

2 resistor values	Order No.
2 x 1 R 00	GHG 101 0032 R1001
2 x 1 R 5	GHG 101 0032 R1501
2 x 2 R 21	GHG 101 0032 R2211
2 x 3 R 32	GHG 101 0032 R3321
2 x 4 R 75	GHG 101 0032 R4751
2 x 6 R 81	GHG 101 0032 R6811
2 x 10 R 0	GHG 101 0032 R1002
2 x 15 R 0	GHG 101 0032 R1502
2 x 22 R 1	GHG 101 0032 R2212
2 x 33 R 2	GHG 101 0032 R3322
2 x 47 R 5	GHG 101 0032 R4572
2 x 68 R 1	GHG 101 0032 R6812
2 x 100 R	GHG 101 0032 R1003
2 x 150 R	GHG 101 0032 R1503
2 x 221 R	GHG 101 0032 R2213
2 x 332 R	GHG 101 0032 R3323
2 x 475 R	GHG 101 0032 R4753
2 x 681 R	GHG 101 0032 R6813
2 x 1 K 0	GHG 101 0032 R1004
2 x 1 K 50	GHG 101 0032 R1504
2 x 2 K 21	GHG 101 0032 R2214
2 x 3 K 32	GHG 101 0032 R3324
2 x 4 K 75	GHG 101 0032 R4754
2 x 6 K 81	GHG 101 0032 R6814
2 x 10 K	GHG 101 0032 R1005
2 x 15 K	GHG 101 0032 R1505
2 x 22 K 1	GHG 101 0032 R2215
2 x 33 K 2	GHG 101 0032 R3325
2 x 47 K 5	GHG 101 0032 R4755
2 x 68 K 1	GHG 101 0032 R6815
2 x 100 K	GHG 101 0032 R1006
2 x 150 K	GHG 101 0032 R1506
2 x 221 K	GHG 101 0032 R2216
2 x 332 K	GHG 101 0032 R3326
2 x 475 K	GHG 101 0032 R4756
2 x 681 K	GHG 101 0032 R6816
2 x 1 M	GHG 101 0032 R1007
2 x 1 M 50	GHG 101 0032 R1507
2 x 2 M 21	GHG 101 0032 R2217
2 x 3 M 32	GHG 101 0032 R3327
2 x 4 M 75	GHG 101 0032 R4757
2 x 6 M 81	GHG 101 0032 R6817
2 x 10 M	GHG 101 0032 R1008
2 x 22 M 1	GHG 101 0032 R2218
Accessories: 4 pole base unit	GHG 101 0004 R0001

Note: Modules will be supplied without base unit.

Please order separately.



Base unit

Module

Ordering details

Function	Order No.		
Model ExTerm – T Terminator for foundation fieldbus or profibus PA for Zone 1 or Zone 2 mounting			
ExTerm – T Bus Terminator	GHG 101 0005 R0000		
Accessories: 4 pole base unit	GHG 101 0004 R0001		
Model ExTerm – K relay-component			
1 closed-circuit contact	GHG 101 0041 R0000		
1 bottom contact	GHG 101 0042 R0000		
Accessories: 4 pole base unit	GHG 101 0004 R0001		
Model ExTerm – F 1 fuse (slow)			
1 x 0.032 A	2 x 0.032 A	1 x 0.032 A / 1 x wire	GHG 101 0011 R0032
1 x 0.050 A	2 x 0.050 A	1 x 0.050 A / 1 x wire	GHG 101 0011 R0050
1 x 0.063 A	2 x 0.063 A	1 x 0.063 A / 1 x wire	GHG 101 0011 R0063
1 x 0.080 A	2 x 0.080 A	1 x 0.080 A / 1 x wire	GHG 101 0011 R0080
1 x 0.100 A	2 x 0.100 A	1 x 0.100 A / 1 x wire	GHG 101 0011 R0100
1 x 0.125 A	2 x 0.125 A	1 x 0.125 A / 1 x wire	GHG 101 0011 R0125
1 x 0.160 A	2 x 0.160 A	1 x 0.160 A / 1 x wire	GHG 101 0011 R0160
1 x 0.200 A	2 x 0.200 A	1 x 0.200 A / 1 x wire	GHG 101 0011 R0200
1 x 0.250 A	2 x 0.250 A	1 x 0.250 A / 1 x wire	GHG 101 0011 R0250
1 x 0.315 A	2 x 0.315 A	1 x 0.315 A / 1 x wire	GHG 101 0011 R0315
1 x 0.400 A	2 x 0.400 A	1 x 0.400 A / 1 x wire	GHG 101 0011 R0400
1 x 0.500 A	2 x 0.500 A	1 x 0.500 A / 1 x wire	GHG 101 0011 R0500
1 x 0.630 A	2 x 0.630 A	1 x 0.630 A / 1 x wire	GHG 101 0011 R0630
1 x 0.800 A	2 x 0.800 A	1 x 0.800 A / 1 x wire	GHG 101 0011 R0800
1 x 1.000 A	2 x 1.000 A	1 x 1.000 A / 1 x wire	GHG 101 0011 R1000
1 x 1.250 A	2 x 1.250 A	1 x 1.250 A / 1 x wire	GHG 101 0011 R1250
1 x 1.600 A	2 x 1.600 A	1 x 1.600 A / 1 x wire	GHG 101 0011 R1600
1 x 2.000 A	2 x 2.000 A	1 x 2.000 A / 1 x wire	GHG 101 0011 R2000
1 x 2.500 A	2 x 2.500 A	1 x 2.500 A / 1 x wire	GHG 101 0011 R2500
1 x 3.150 A	2 x 3.150 A	1 x 3.150 A / 1 x wire	GHG 101 0011 R3150
1 x 4.000 A	2 x 4.000 A	1 x 4.000 A / 1 x wire	GHG 101 0011 R4000
1 x 5.000 A	2 x 5.000 A	1 x 5.000 A / 1 x wire	GHG 101 0011 R5000
1 x 6.300 A	2 x 6.300 A	1 x 6.300 A / 1 x wire	GHG 101 0011 R6300
Accessories: 2 pole base unit			GHG 101 01 RXXXX

1 = 1 x Fuse

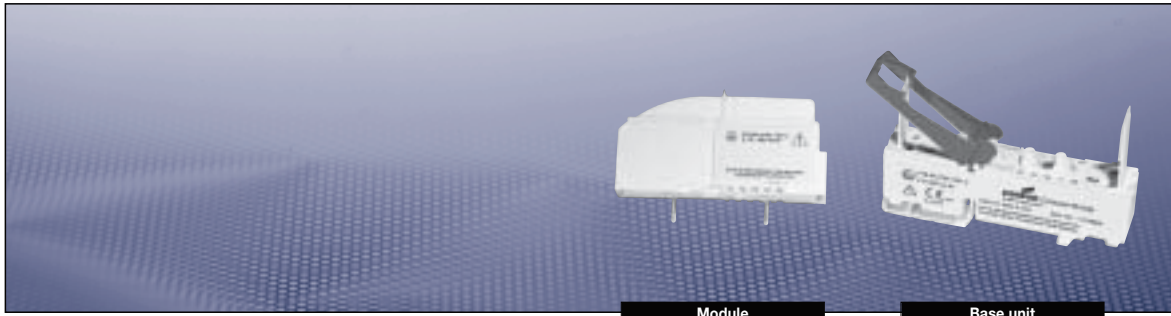
2 = 2 x Fuse

3 = 1 x Fuse, 1 x Wire

Model ExTerm – D	
1 Diode	GHG 101 0021 R0000
Accessories: 2 pole base unit	GHG 101 0002 R0001
2 Diodes	GHG 101 0222 R0000
Accessories: 4 pole base unit	GHG 101 0004 R0001

Note: Modules will be supplied without base unit.

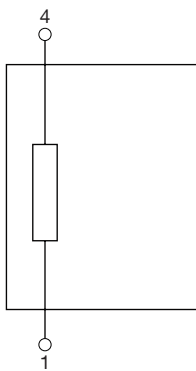
Please order separately.



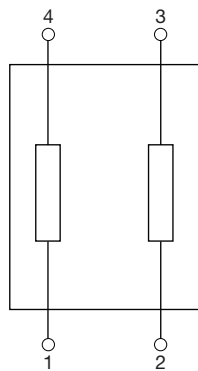
Module

Base unit

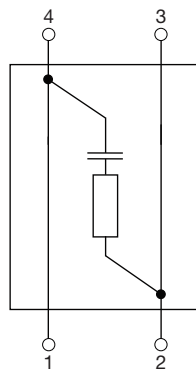
Internal wiring / Dimension drawing



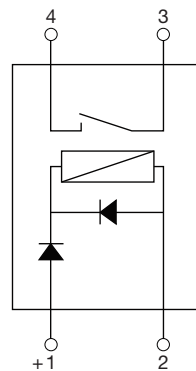
Model ExTerm - R



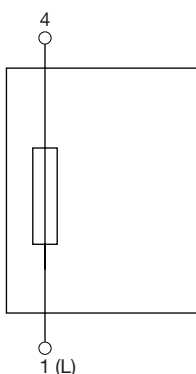
Model ExTerm - 2R



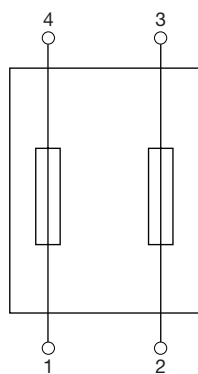
Model ExTerm - T



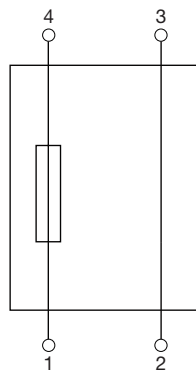
Model ExTerm - K



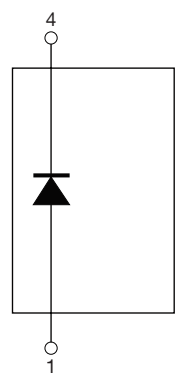
Model ExTerm - F



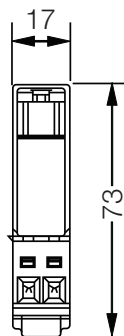
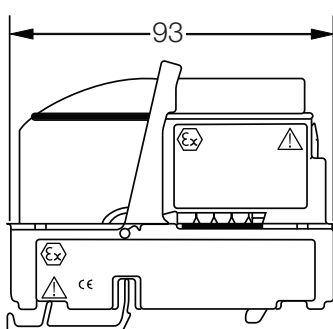
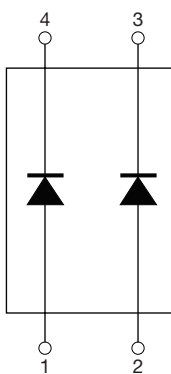
Model ExTerm - F



Model ExTerm - F



Model ExTerm - D



Dimensions in mm

EX - PLUGS AND SOCKETS

10 A to 125 A
Plastic version for Zone 1

A good contact

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 sockets 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 sockets 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 sockets 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.

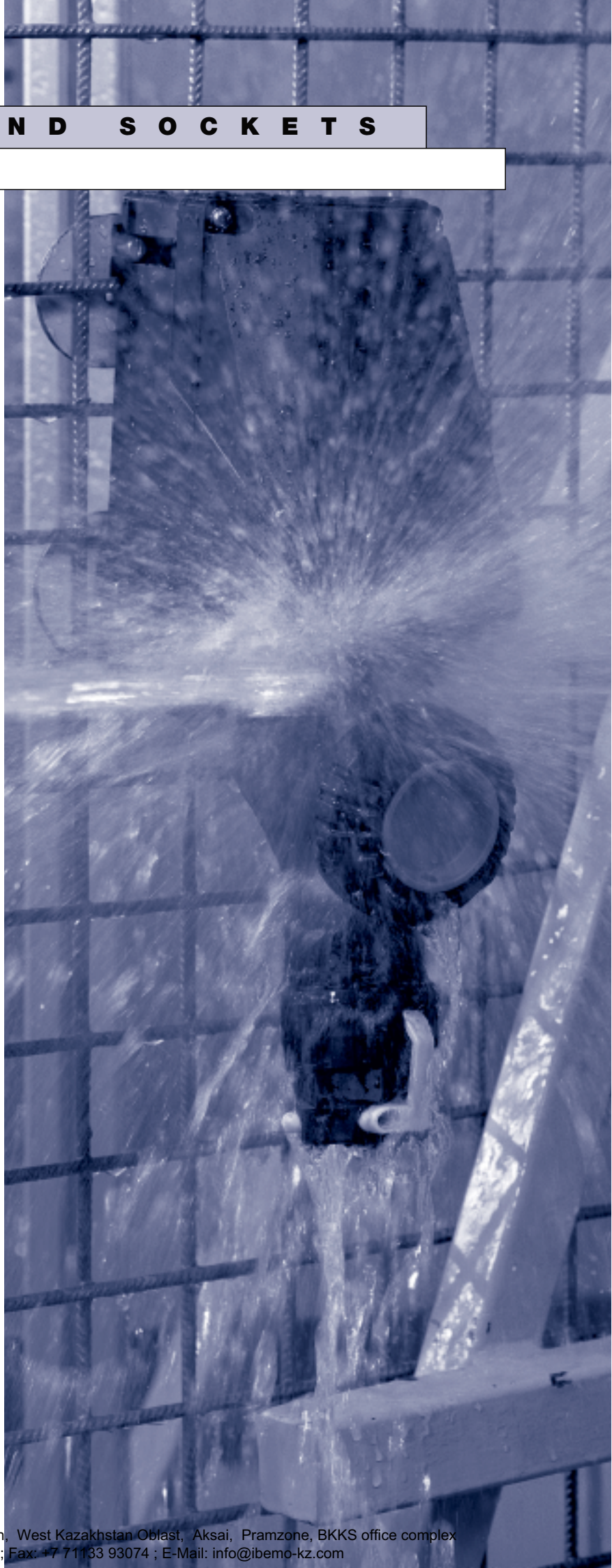
Safety standard IP66 applies also in the plugged-in state

Full AC-3 switching ability

Self-cleaning lamellar contacts, low transition resistance

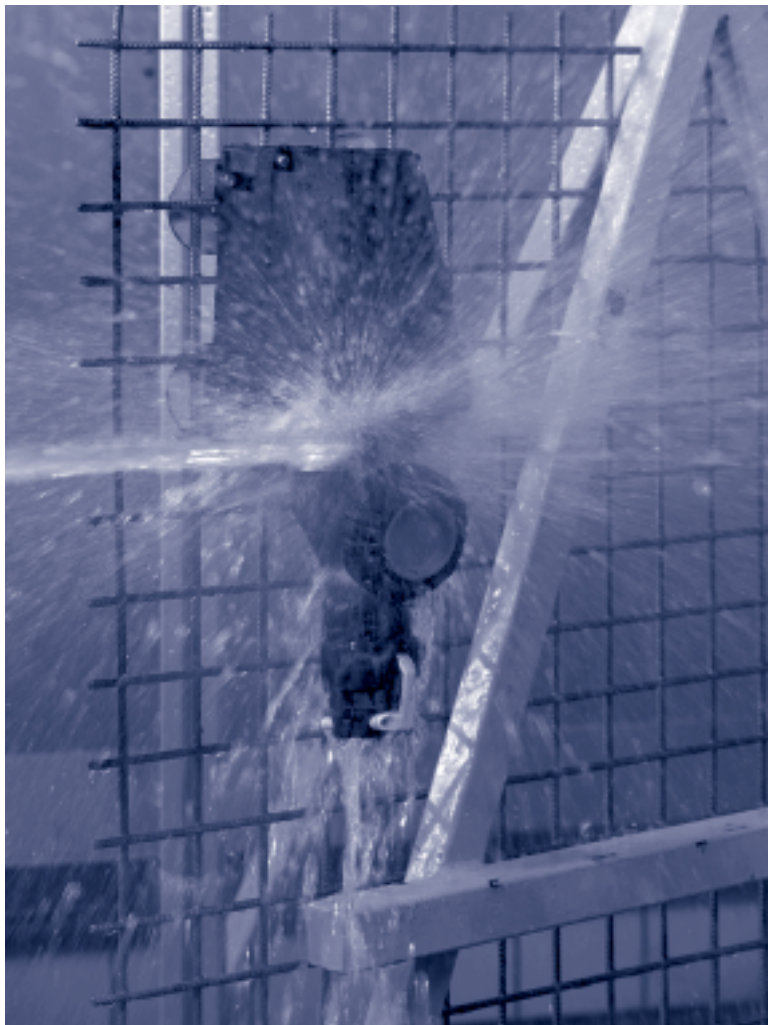
All-pole on/off switching

Easy plugging



High ingress protection

The new plugs and sockets 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 – we have tested it!

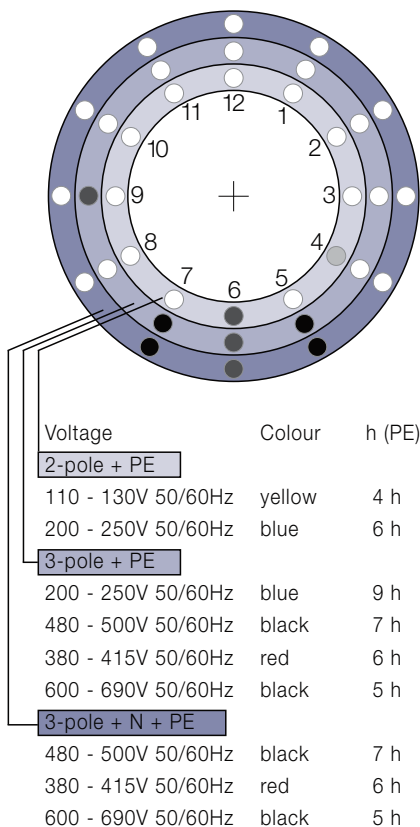


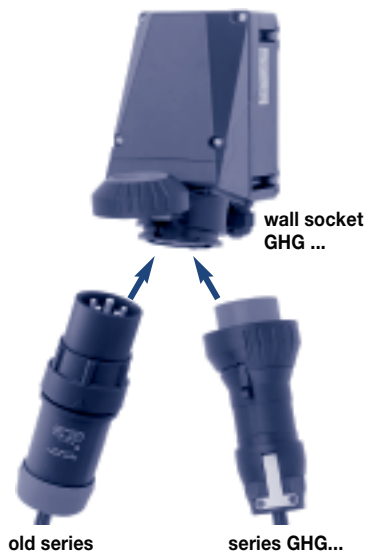
CEE plugs and sockets

A first step towards creating an international standard for industrial plugs and sockets was taken with the IEC 60309 and CEE Publication 17, "Requirements for Plugs and Sockets for Industrial Use".

"IEC" stands for "INTERNATIONAL ELECTRICAL COMMISSION".

When selecting plugs and sockets from the existing ranges for standardization, preference was given to round plugs and sockets, as the contact-making insert can be arranged in various positions (hours of day). This allows a high degree of differentiation of plugs and sockets with regard to the various types of currents, voltages, frequencies, etc.



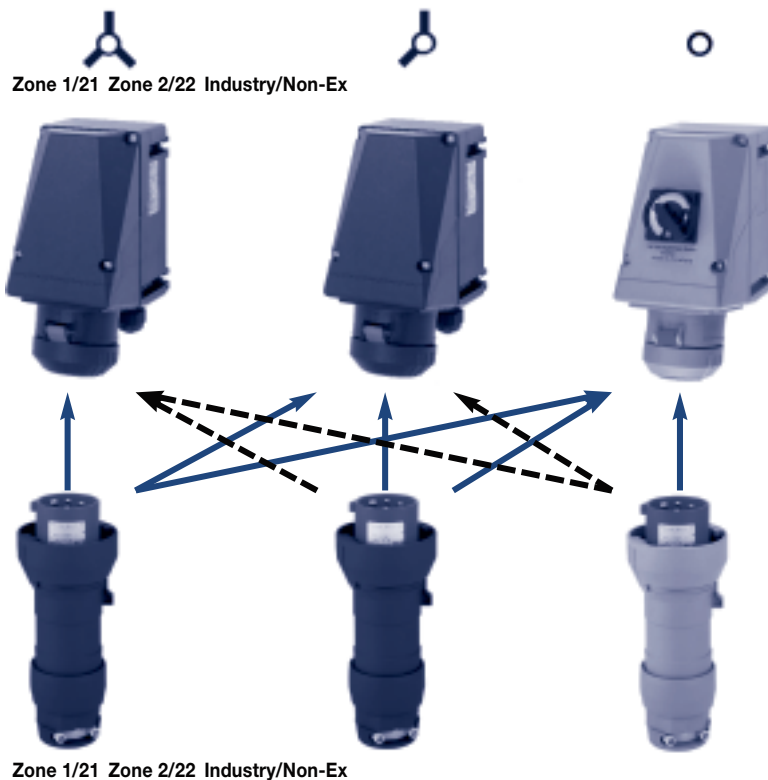


The key to safety

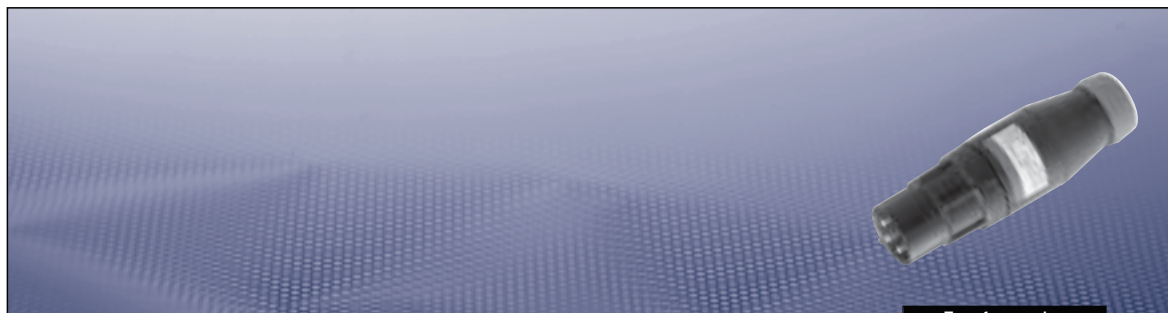
Plugs and sockets with a cleverness:
The innovative coding of apparatus allows plugs used for Zone 1 to be used in sockets for Zone 2 and/or for usage with industrial sockets as well. Hence, plugs and sockets for Zone 1 can be used anywhere. However, by the same token, the coding ensures that Zone 2 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 sockets.

Zone 1	Zone 2	Industry

Coding of the plugs and sockets



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



Transformer plug

Technical data

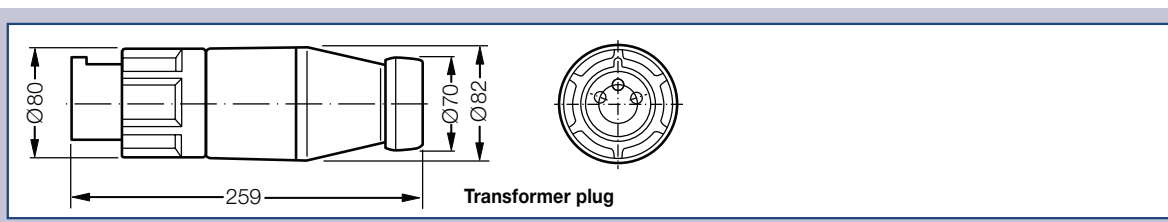
Ex-transformer plug acc. to IEC 60309-1/2, up to 415 V

Marking to 94/9/EC	Ex II 2 G EEx ed IIC T5
EC-Type Examination Certificate	PTB 99 ATEX 1039
IECEx type of protection	Ex ed [ia] IIC T6/T5
IECEx certification of conformity	IECEx BKI 04.0002
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage primary	415 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	0.5 A mT, replaceable
Connecting terminals	1 x 1 - 4 mm ²
Insulation class	I
Degree of protection to EN 60529	IP54
Cable glands	Ø 10 - 20 mm
Enclosure material	Glass-fibre reinforced polyester, polyamide

Ordering details

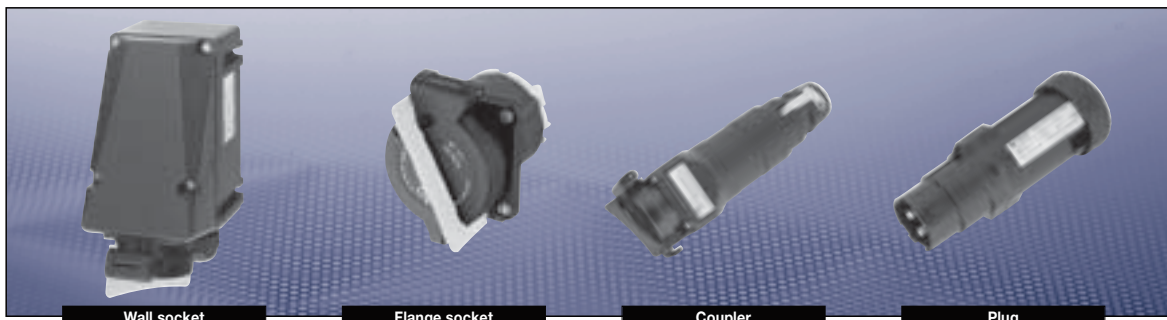
Voltage	h	Type	Weight approx.	Sec voltage	Order No.
16 A transformer plug 4-pole					
200-250 V		Transformer plug 65 VA	2.3 kg	42 V	GHG 531 6469 V0000
		Transformer plug 65 VA	2.3 kg	24 V	GHG 531 6469 V5005
		Transformer plug 65 VA	2.3 kg	12 V	GHG 531 6469 V5025
16 A transformer plug 5-pole					
380-415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

Dimension drawing



Dimensions in mm

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



Technical data

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

Marking 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 certification of conformity	IECEx BKI 04.0002
IECEx type of protection	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-55 °C to +55 °C
Rated voltage	up to 50 V
Rated current	up to 16 A
Frequency	up to 400 Hz
Switching capacity AC-3 / DC-1	16 A
Back-up fuse, max.	without therm. protection: 16 A / with therm. protection: 35 A
Degree of protection to EN 60529	IP54

Wall socket

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

Plug

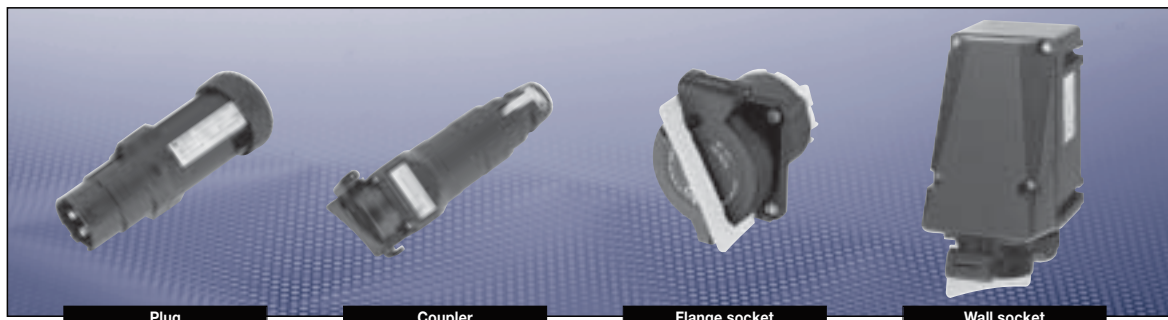
Cable glands	Ø 9 - 17 mm
Connecting terminals	1.0 - 4 mm ²
Enclosure material	Polyamide

Coupler

Cable glands	Ø 9 - 17 mm
Connecting terminals	1.5 - 4 mm ²
Enclosure material	Polyamide

Flange socket

Connecting terminals	1.5 - 4 mm ²
Enclosure material	Polyamide



Ordering details

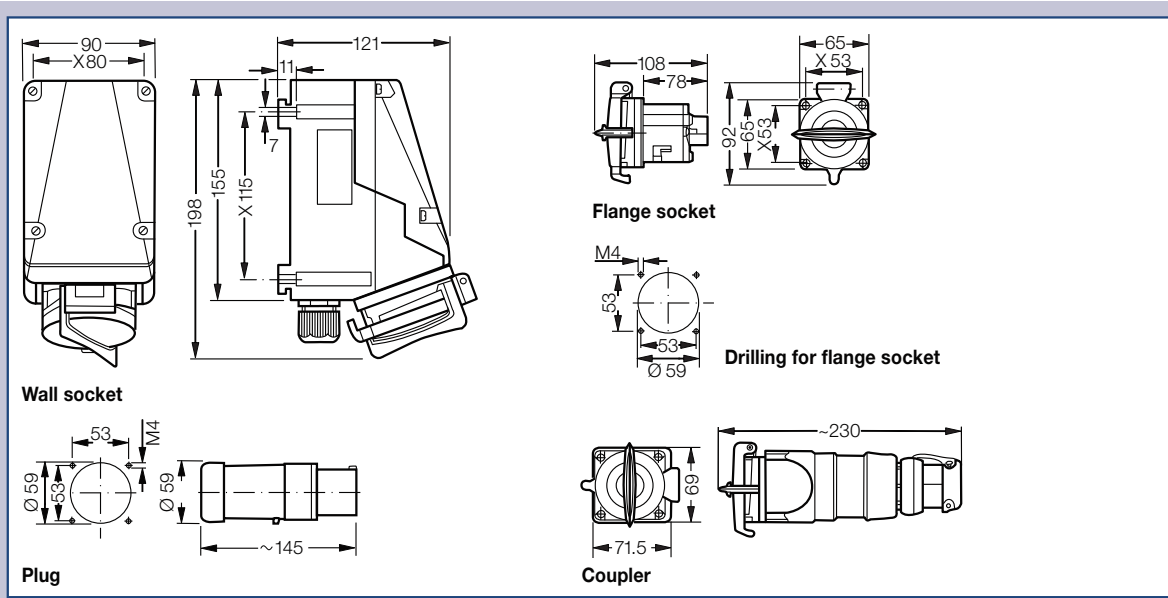
Voltage	h	Type	No. of pols	Weight approx.	Order No.
Type 2-pole low voltage					
≤ 24 V		Wall socket	2	1.2 kg	GHG 513 4200 R0001
		Flange socket	2	0.4 kg	GHG 542 5200 V0000
		Coupler	2	0.7 kg	GHG 513 3200 R0001
		Plug	2	0.35 kg	GHG 542 2200 V0000
42 V		Wall socket	2	1.2 kg	GHG 513 4212 R0001
		Flange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

Other voltage ranges and versions available on request

Accessories

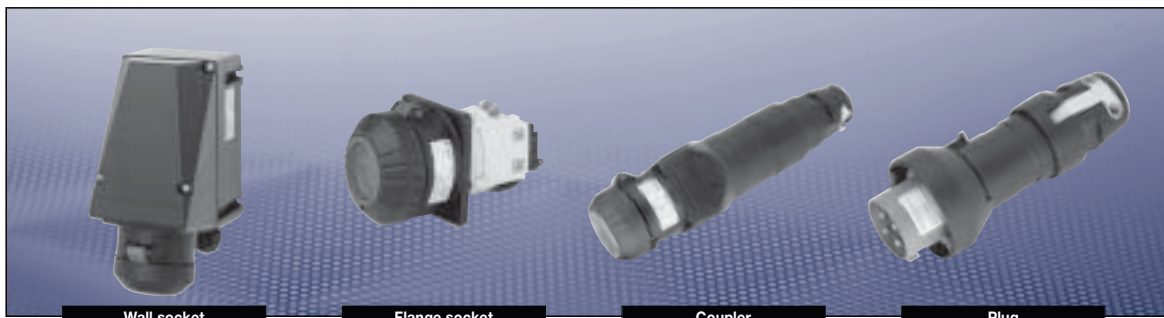
Type	Application	Fixing method	Order No.
Mounting plate size 4	wall mounting	snap on for GHG 531 4/5 pole	GHG 610 1953 R0151
Mounting plate size 4	wall mounting	snap on for GHG 531 3 pole	GHG 610 1953 R0152
Protective canopy size 4			GHG 610 1955 R0107

Dimension drawing



Dimensions in mm

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



Technical data

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

Marking to 94/9/EC	II 2 G EEx ed IIC T6 / II 2 D IP66 T60 °C
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1039 Flange socket: PTB 99 ATEX 1040 U
IECEx certification of conformity	IECEx BKI 04.0002
IECEx type of protection	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 400 V (3-pole) / 690 V (4-pole) / 500 V (5-pole)
Rated current	up to 16 A
Frequency	up to 400 Hz
Switching capacity AC-3	16 A (up to 690 V)
Back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gL (rated current 16 A set to)
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket

Cable glands	1 x M25 Ø 8 - 17 mm, 1 x M25 Ex-screw plug plastic or 2 x metal thread M20 with Ex-screw plug plastic
Connecting terminals	2 x 1 - 4 mm²
Enclosure material	Glass-fibre reinforced polyester

Plug

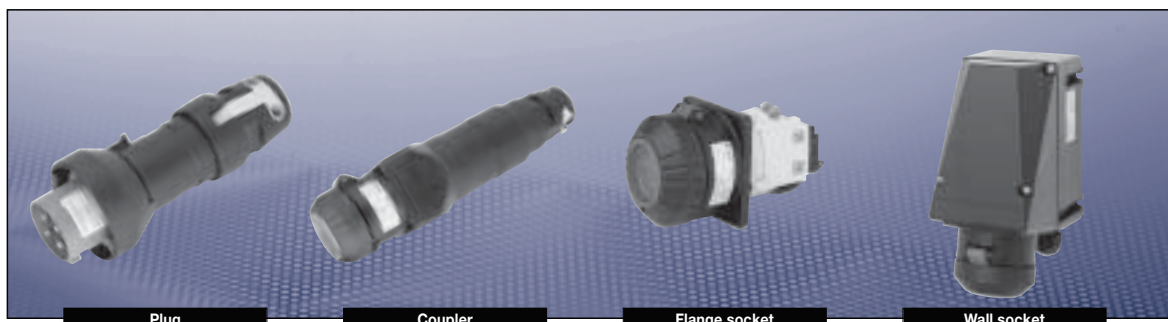
Cable glands	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	1 x 1.0 - 2.5 mm²
Enclosure material	polyamide

Coupler

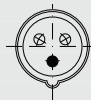
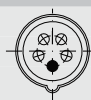
Cable glands	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	2 x 1 - 4 mm²
Enclosure material	polyamide

Flange socket

Connecting terminals	2 x 1 - 4 mm²
Enclosure material	polyamide



Ordering details

Voltage	h	Type	Auxiliary contact	Cable entries	Weight approx.	Order No.
Type 16 A 3-pole						
110-130 V		Wall socket	–	M25 KU	1.2 kg	GHG 511 4304 R0001
		Wall socket	–	M20 GE	1.2 kg	GHG 511 4304 R0002
		Wall socket	–	M20 ME	1.3 kg	GHG 511 4304 R3001
		Wall socket	–	M20 GM	1.3 kg	GHG 511 4304 R3003
	4	Flange socket			0.4 kg	GHG 511 8304 R0001
		Coupler			0.7 kg	GHG 511 3304 R0001
		Plug			0.35 kg	GHG 511 7304 R0001
200-250 V		Wall socket	–	M25 KU	1.2 kg	GHG 511 4306 R0001
		Wall socket	–	M20 GE	1.2 kg	GHG 511 4306 R0002
		Wall socket	–	M20 ME	1.3 kg	GHG 511 4306 R3001
		Wall socket	–	M20 GM	1.3 kg	GHG 511 4306 R3003
	6	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
Type 16 A 4-pole						
200-250 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4409 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4409 R3001
		Flange socket			1.0 kg	GHG 511 8409 R0001
		Coupler			1.7 kg	GHG 511 3409 R0001
		Plug			0.7 kg	GHG 511 7409 R0001
380-415 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4406 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4406 R3001
		Wall socket	yes	M25 KH	1.8 kg	GHG 511 4406 R0501
		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
480-500 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4407 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4407 R3001
		Wall socket	yes	M25 KH	1.8 kg	GHG 511 4407 R0501
		Flange socket			1.0 kg	GHG 511 8407 R0001
		Coupler			1.7 kg	GHG 511 3407 R0001
		Plug			0.7 kg	GHG 511 7407 R0001
600-690 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4405 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4405 R3001
		Wall socket	yes	M25 KH	1.8 kg	GHG 511 4405 R0501
		Flange socket			1.0 kg	GHG 511 8405 R0001
		Coupler			1.7 kg	GHG 511 3405 R0001
		Plug			0.7 kg	GHG 511 7405 R0001
Type 16 A 5-pole						
200-250 V 380-415 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4506 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4506 R3001
		Wall socket	yes	M25 KH	1.8 kg	GHG 511 4506 R0501
		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

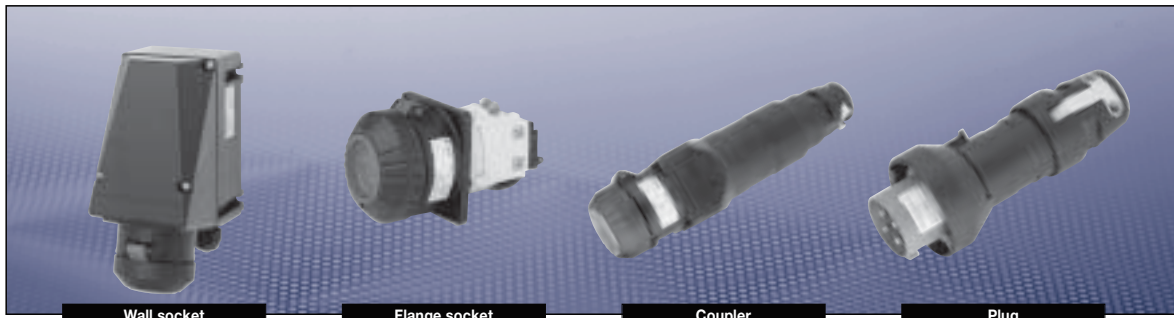
Other voltage ranges and versions available on request.

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

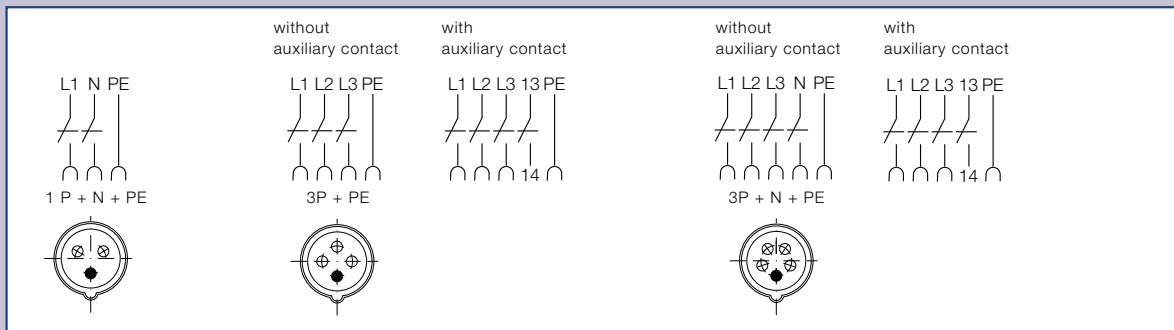
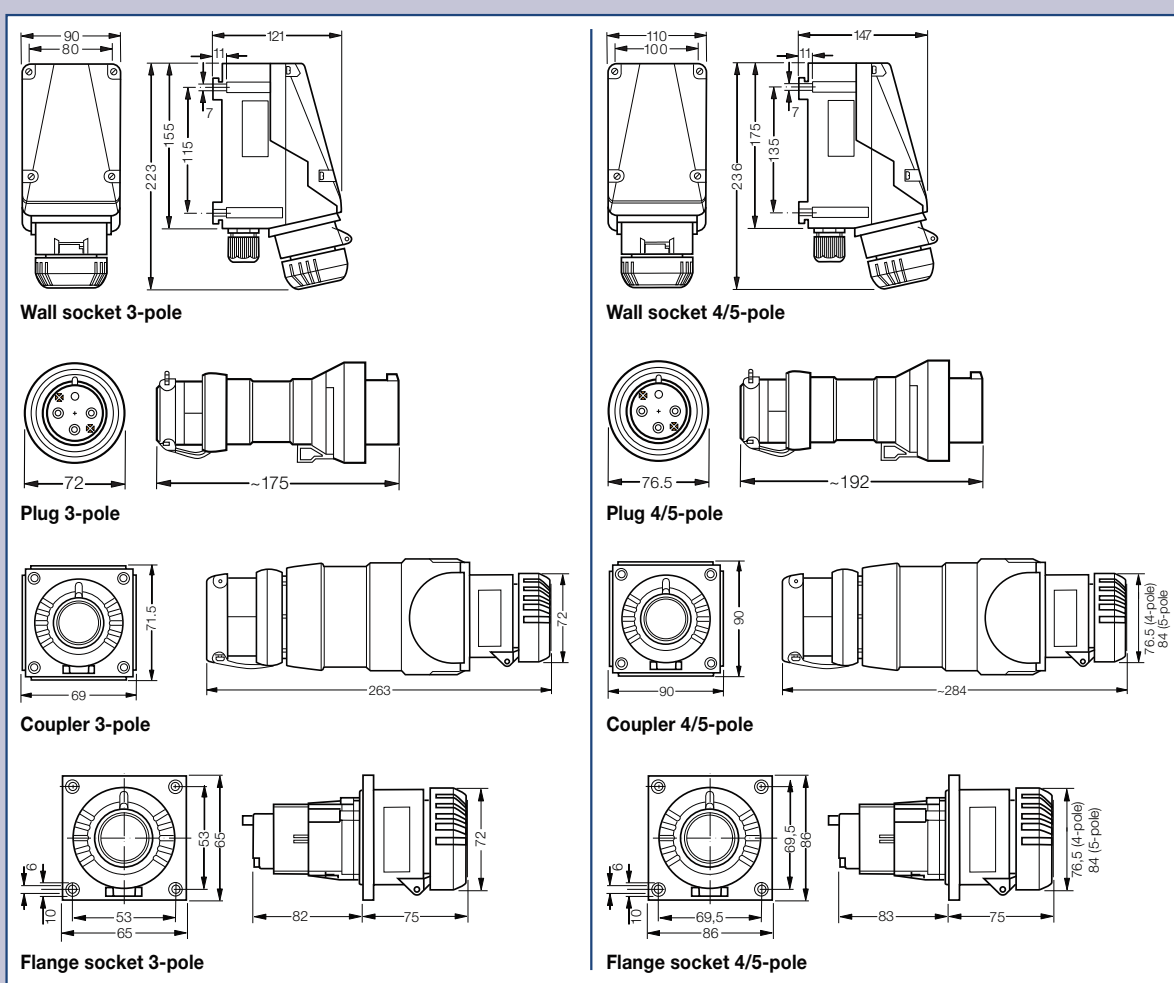
KH = 2 x plastic cable glands M25 for Ø 8 - 17 mm, auxiliary contact, 1 NO

ME = 2 x metal thread M20 with Ex-screw plug plastic

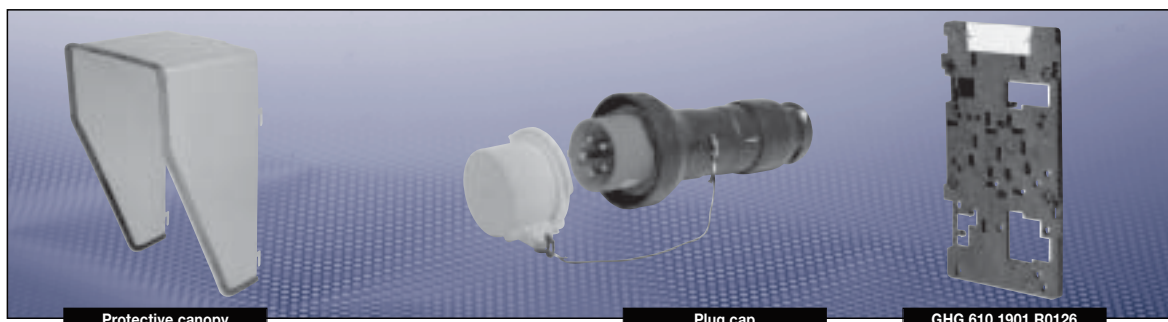
16 A 3-pole, 4-pole and 5-pole up to 690 V



Dimension drawing | Wiring diagram



Dimensions in mm



Accessories

Mounting plates for wall sockets 16 A

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

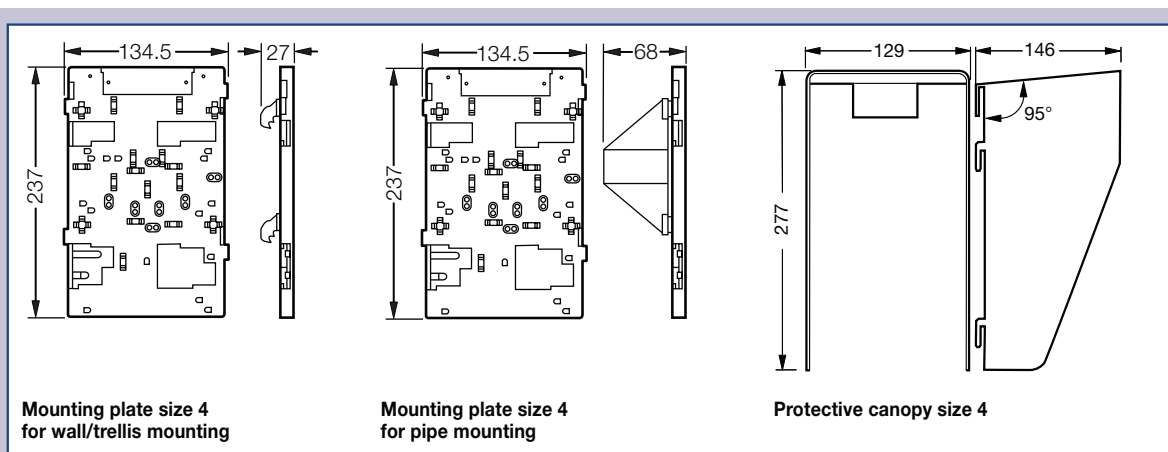
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

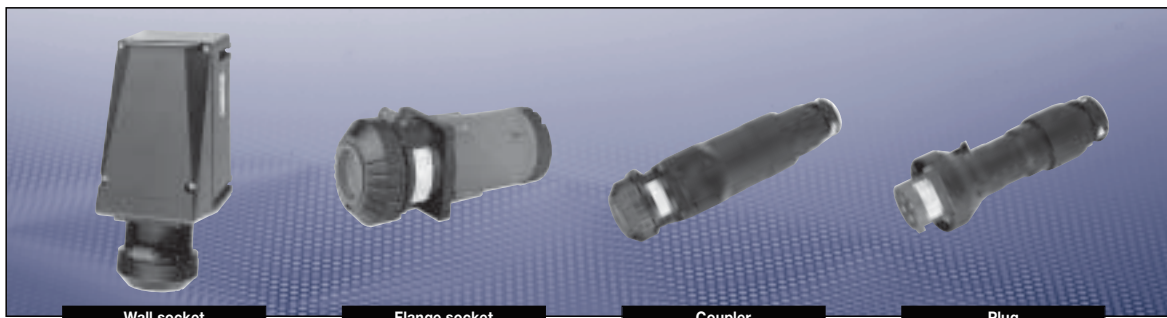
Protective canopy for mounting plate

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

Dimension drawing



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



Technical data

Ex-plugs and sockets accd. to IEC 60309-1/2

Marking to 94/9/EC	II 2 G EEx de (ia) IIC T6 / IIC T6/T5 2 D IP66 T60 °C
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1041 Flange socket: PTB 99 ATEX 1042 U
IECEx certification of conformity	IECEx BKI 04.0006
IECEx type of protection	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	up to 750 V
Rated current	32 A
Frequency	up to 400 Hz
Switching rating	AC3: 690 V/32 A
Back-up fuse	without therm. protection: 35 A with therm. protection: 50 A gL (rated current 32 A set to
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

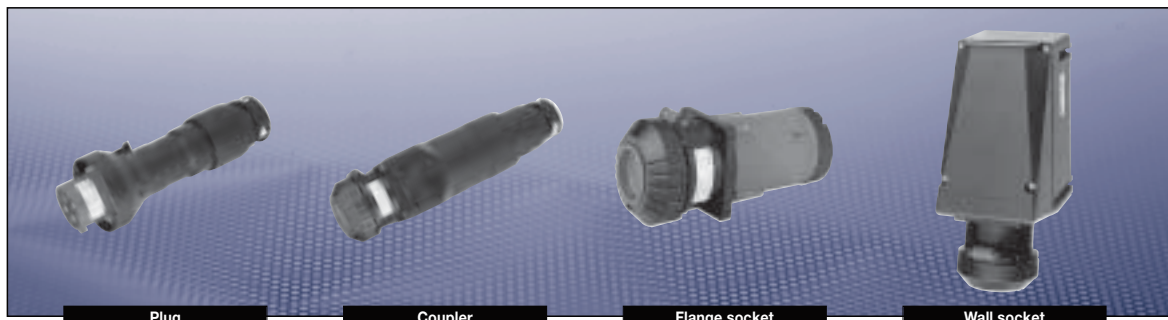
Cable glands	Ø 17 - 28 mm
Connecting terminals	1.0 - 6 mm ²
Enclosure material	Polyamide

Coupler

Cable glands	Ø 17 - 28 mm
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	Polyamide

Flange socket

Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	Polyamide



Ordering details

Voltage	h	Type	Auxiliary contact	Cable entries	Weight approx.	Order No.
Type 32 A 4-pole						
200-250 V		Wall socket	–	KU	1.8 kg	GHG 512 4409 R0001
		Wall socket	–	ME	1.9 kg	GHG 512 4409 R3001
		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
		Flange socket			1.0 kg	GHG 512 8406 R0001
		Coupler			1.7 kg	GHG 512 3406 R0001
		Plug			0.7 kg	GHG 512 7406 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
Type 32 A 5-pole						
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	
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.

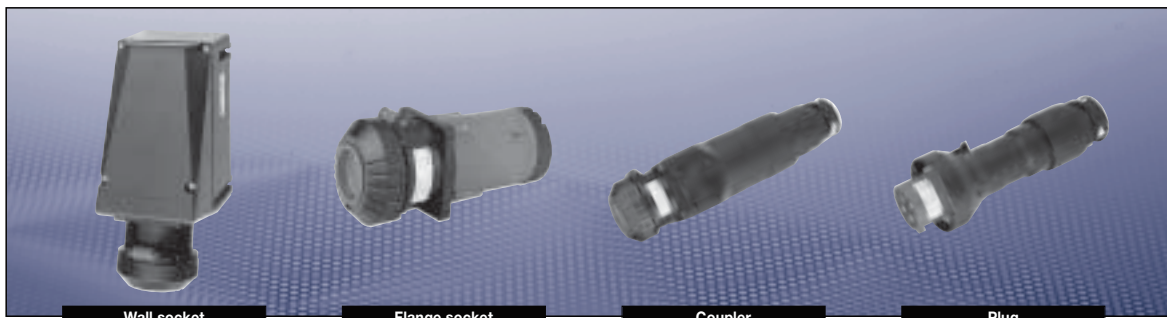
KU = 1 x plastic cable glands M40 for Ø 17-28 mm, 1 x M40 Ex-screw plug plastic

KH = 1 x plastic cable glands M40 for Ø 16-28 mm,

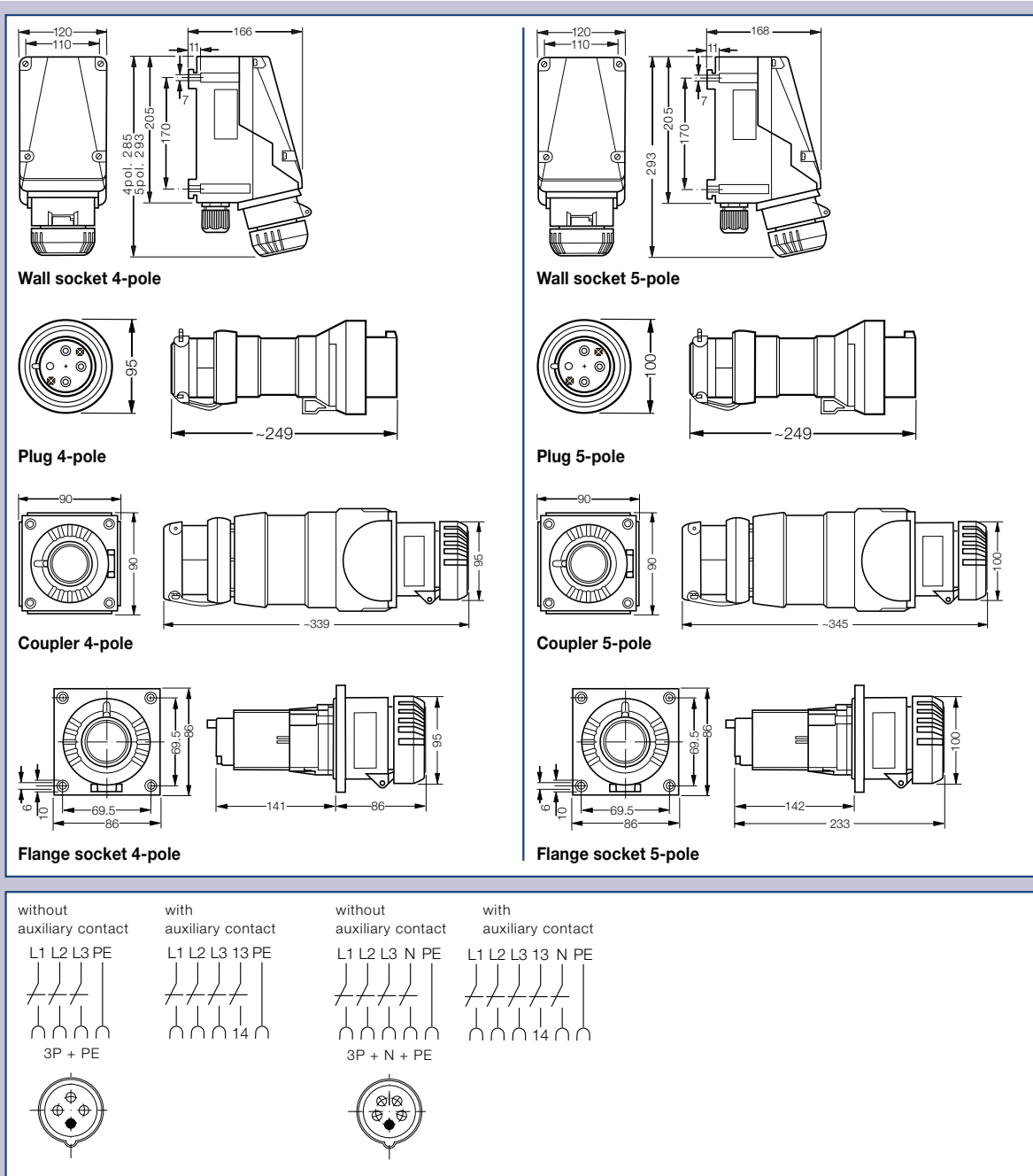
1 x plastic cable glands M25 for Ø 8 - 17 mm, with auxiliary contact

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

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

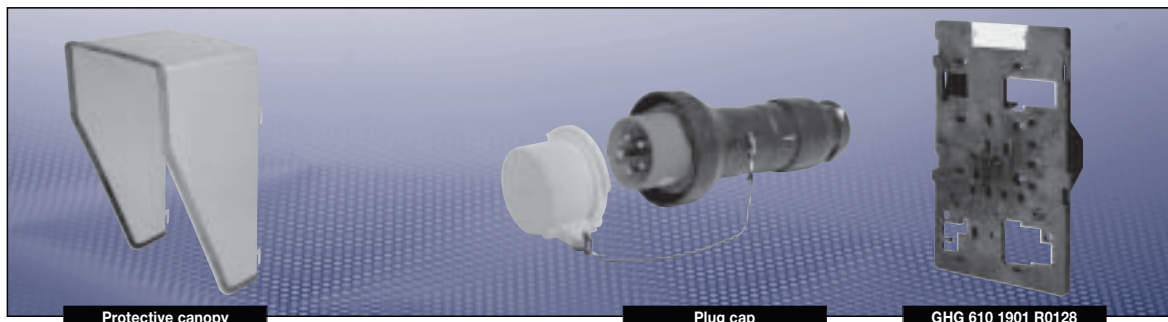


Dimension drawing | Wiring diagram



Dimensions in mm

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



Accessories

Mounting plates for wall sockets 32 A

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

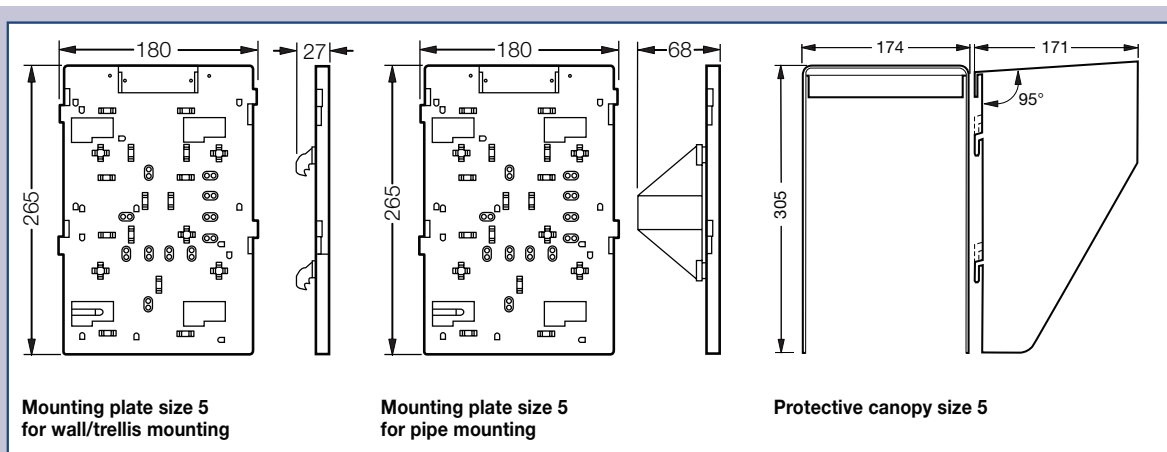
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Protective canopy for mounting plate

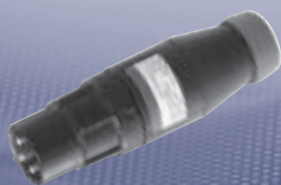
Type	Application	Order No.
Size 5	for mounting plate size 5	GHG 610 1955 R0108

Dimension drawing



Dimensions in mm

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



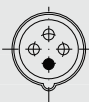
Transformer plug

Technical data

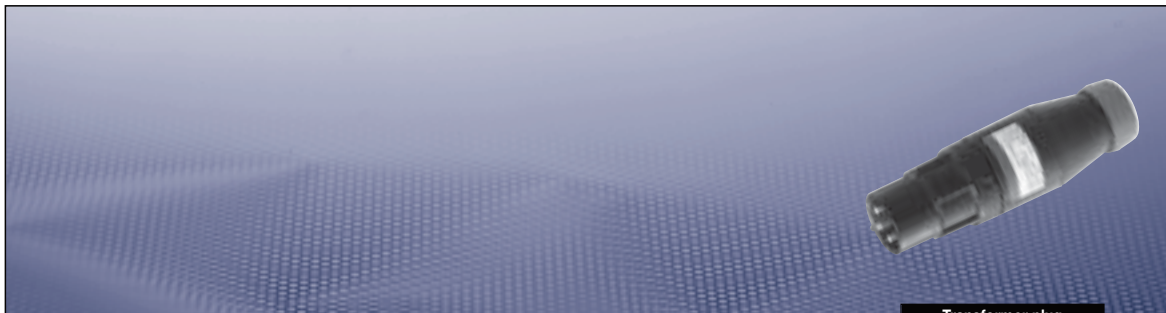
Ex-transformer plug accd. to IEC 60309-1/2, up to 415 V

Marking to 94/9/EC	II 2 G EEx de IIC T5
EC-Type Examination Certificate	PTB 99 ATEX 1041
IECEx certification of conformity	IECEx BKI 04.0006
IECEx type of protection	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage primary	250 V AC
Rated voltage secondary	12 V, 24 V, 36 V or 42 V/230 V
Frequency	50/60 Hz
Power consumption	max. 65 VA
Back up fuse	0.5 A mT, replaceable
Connecting terminals	1 x 1 - 4 mm ²
Insulation class	I
Degree of protection to EN 60529	IP54
Enclosure material	Glass-fibre reinforced polyester, polyamide

Ordering details

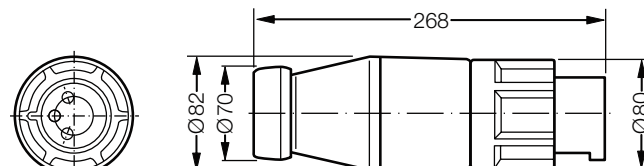
Voltage	h	Type	Weight approx.	Sec voltage	Order No.
32 A transformer plug 4-pole					
200-250 V		Transformer plug 65 VA	2.3 kg	42 V	GHG 532 6469 V0000
		Transformer plug 65 VA	2.3 kg	24 V	GHG 532 6469 V5005
		Transformer plug 65 VA	2.3 kg	12 V	GHG 532 6469 V5025
32 A transformer plug 5-pole					
380-415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

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



Transformer plug

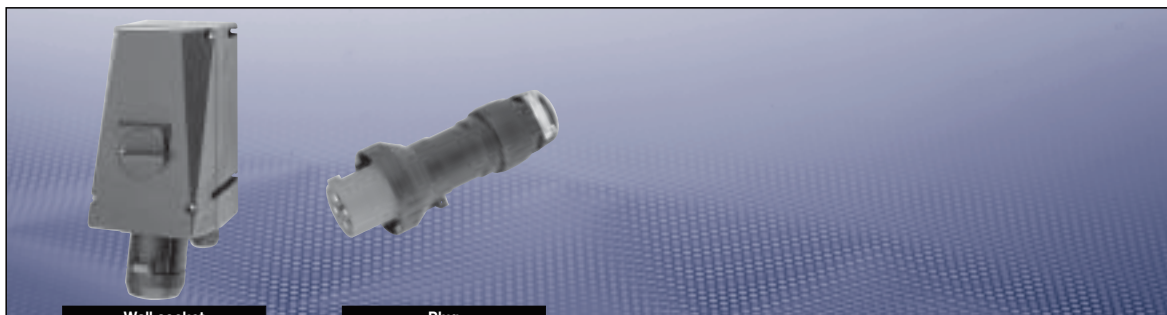
Dimension drawing



Transformer plug

Dimensions in mm

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



Wall socket

Plug

Technical data

Ex-plugs and sockets accd. to IEC 60309-1/2

Marking to 94/9/EC	Ⓔ II 2 G EEx de IIC T6 / Ⓔ II 2 D IP66 T60 °C
EC-Type Examination Certificate	PTB 00 ATEX 1070
IECEx certification of conformity	IECEx BKI 04.0004
IECEx type of protection	Ex ed IIC T6
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	690 V
Rated current	63 A
Frequency	up to 400 Hz
Switch rating AC3	690 V/63 A
Back up fuse	without therm. protection: 63 A with therm. protection: 80 A gL (rated current 63 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

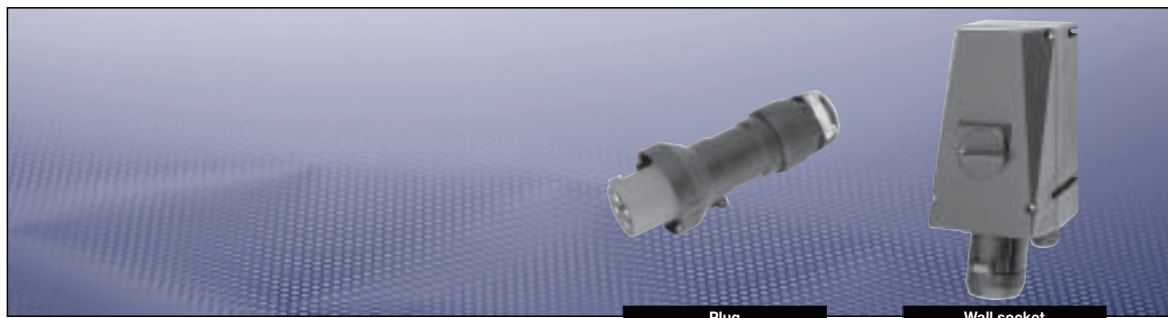
Wall socket

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

Plug

Cabel glands	Ø 19 - 34 mm
Connecting terminals	4 - 16 mm ²
Enclosure material	Polyamide

¹⁾ use delivered cable lugs



Ordering details

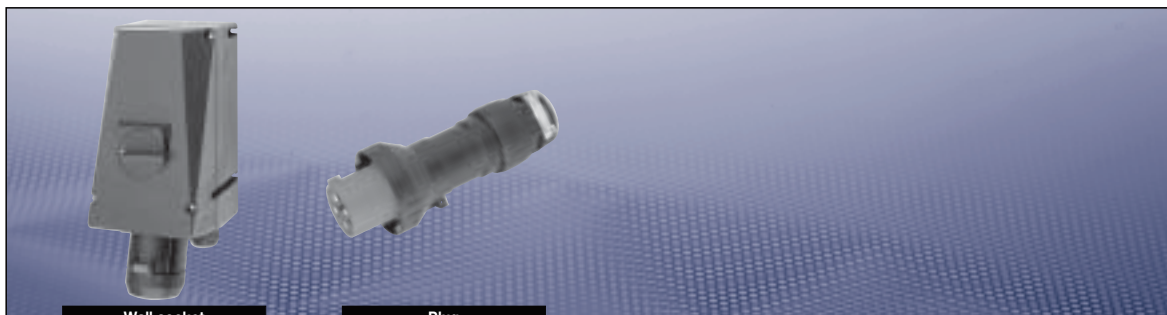
Voltage	h	Type	Auxiliary contact	Cable entries	Weight approx.	Order No.
Type 63 A 4-pole						
200-250 V		Wall socket	–	KU	8.1 kg	GHG 514 4409 R0001
		Wall socket	–	ME	8.2 kg	GHG 514 4409 R3001
		Plug			0.75 kg	GHG 514 7409 R0001
		9				
380-415 V		Wall socket	–	KU	8.1 kg	GHG 514 4406 R0001
		Wall socket	–	ME	8.2 kg	GHG 514 4406 R3001
		Wall socket	yes	KH	8.2 kg	GHG 514 4406 R0501
		Plug			0.75 kg	GHG 514 7406 R0001
6						
480-500 V		Wall socket	–	KU	8.1 kg	GHG 514 4407 R0001
		Wall socket	–	ME	8.2 kg	GHG 514 4407 R3001
		Wall socket	yes	KH	8.2 kg	GHG 514 4407 R0501
		Plug			0.75 kg	GHG 514 7407 R0001
7						
600-690 V		Wall socket	–	KU	8.1 kg	GHG 514 4405 R0001
		Wall socket	–	ME	8.1 kg	GHG 514 4405 R3001
		Wall socket	yes	KH	8.2 kg	GHG 514 4405 R0501
		Plug			0.75 kg	GHG 514 7405 R0001
5						
Type 63 A 5-pole						
200-250 V		Wall socket	–	KU	8.1 kg	GHG 514 4506 R0001
380-415 V		Wall socket	–	ME	8.1 kg	GHG 514 4506 R3001
Wall socket		yes	KH	8.2 kg	GHG 514 4506 R0501	
Plug				0.75 kg	GHG 514 7506 R0001	
6						

Accessories

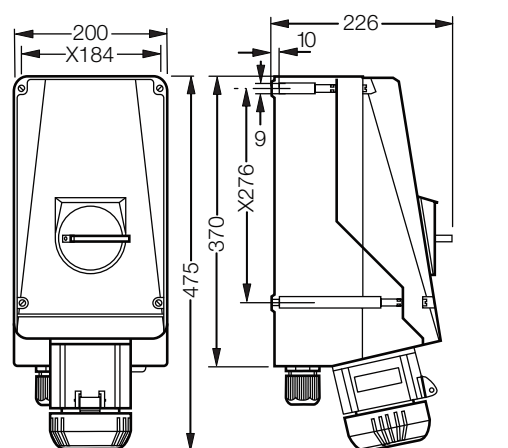
Plug cap for plugs

Type	Order No.
Plug cap 4-pole/5-pole	GHG 510 1901 R0006

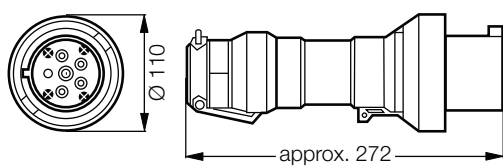
| 63 A 4- and 5-pole up to 690 V |



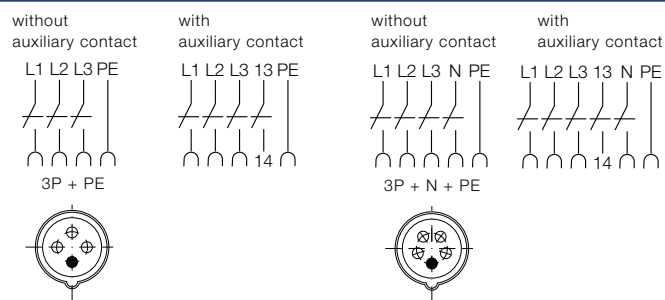
Dimension drawing | Wiring diagram



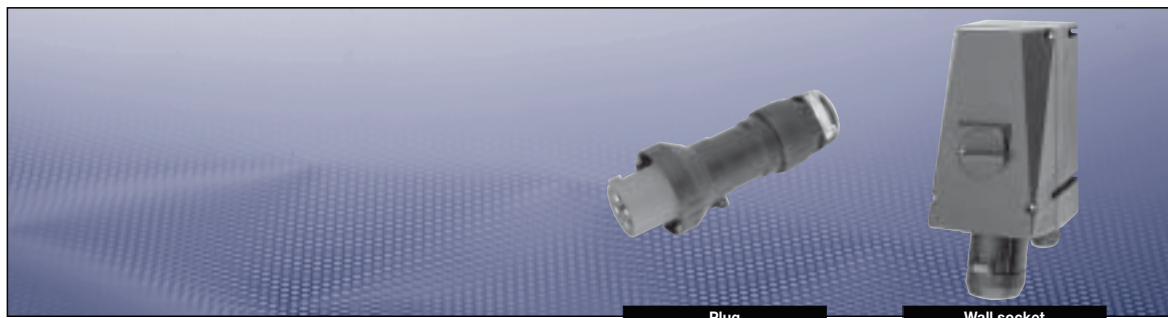
Wall socket



Plug



Dimensions in mm



Plug

Wall socket

Technical data

Ex-plugs and sockets accd. to IEC 60309-1/2

Marking to 94/9/EC	Ex II 2 G EEx de IIC T6 / Ex II 2 D IP66 T60 °C
EC-Type Examination Certificate	PTB 01 ATEX 1069
IECEX certification of conformity	IECEX BKI 04.0005
IECEX type of protection	Ex ed IIC T6
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	690 V
Rated current	125 A
Frequency	up to 400 Hz
Switch rating AC3	690 V/125 A
Back up fuse	without therm. protection: 125 A with therm. protection: 160 A gL (rated current 125 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

Wall socket

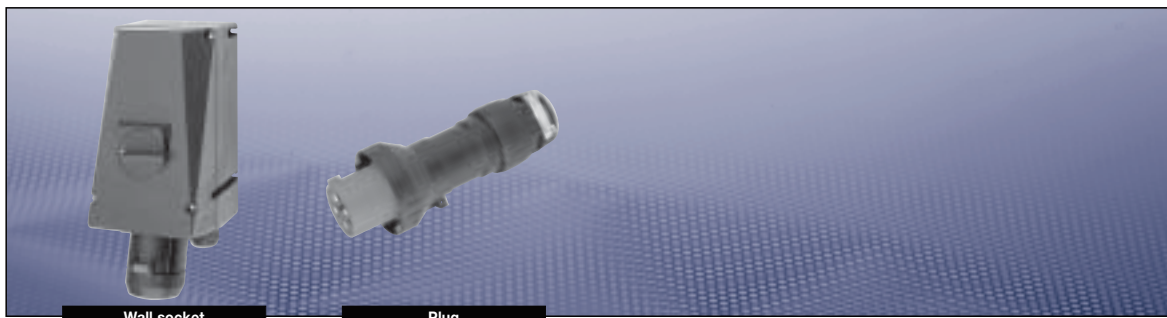
Cable glands/enclosure drilling	1 x M63 Ø 27 - 48 mm, 1 x M63 Ex-screw plug plastic or 2 x M50 metal thread with 2 Ex-screw plug plastic
Connecting terminals	2 x 4 - 50 mm ² / with cable lug ¹⁾ 1 x 120 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

Cabel glands	Ø 31 - 55 mm
Connecting terminals	1 x 4 - 35 mm ² / with pin cable lug ¹⁾ 1 x 50 mm ²
Enclosure material	Polyamide

¹⁾ use only delivered cable lug

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



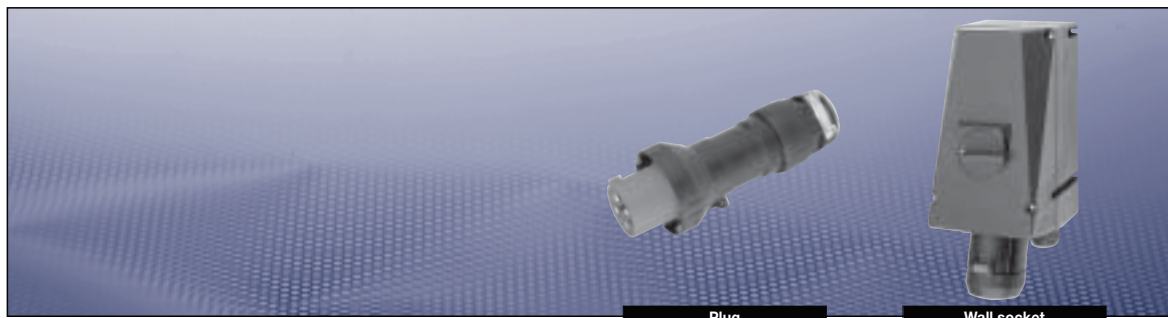
Ordering details

Voltage	h	Type	Auxiliary contact	Cable entries	Weight approx.	Order No.
Type 125 A 4-pole						
200-250 V		Wall socket	–	KU	12.3 kg	GHG 515 4409 R0001
		Wall socket	–	ME	12.5 kg	GHG 515 4409 R3001
		Plug	–		0.9 kg	GHG 515 7409 R0001
380-415 V		Wall socket	–	KU	12.3 kg	GHG 515 4406 R0001
		Wall socket	–	ME	12.5 kg	GHG 515 4406 R3001
		Wall socket	yes	KH	12.5 kg	GHG 515 4406 R0501
Plug	–		0.9 kg	GHG 515 7406 R0001		
480-500 V		Wall socket	–	KU	12.3 kg	GHG 515 4407 R0001
		Wall socket	–	ME	12.5 kg	GHG 515 4407 R3001
		Wall socket	yes	KH	12.5 kg	GHG 515 4407 R0501
Plug	–		0.9 kg	GHG 515 7407 R0001		
600-690 V		Wall socket	–	KU	12.3 kg	GHG 515 4405 R0001
		Wall socket	–	ME	12.5 kg	GHG 515 4405 R3001
		Wall socket	yes	KH	12.5 kg	GHG 515 4405 R0501
Plug	–		0.9 kg	GHG 515 7405 R0001		
Type 125 A 5-pole						
200-250 V		Wall socket	–	KU	13.0 kg	GHG 515 4506 R0001
380-415 V		Wall socket	–	ME	13.2 kg	GHG 515 4506 R3001
Wall socket		yes	KH	13.2 kg	GHG 515 4506 R0501	
	6	Plug			1.2 kg	GHG 515 7506 R0001

Accessories

Plug cap for plugs

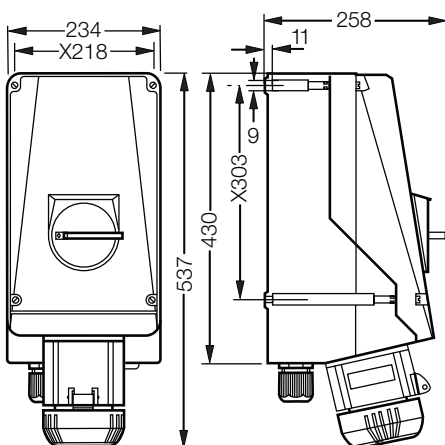
Type	Order No.
Plug cap 4-pole/5-pole	GHG 510 1901 R0007



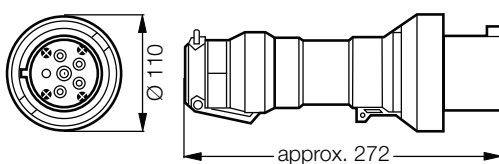
Plug

Wall socket

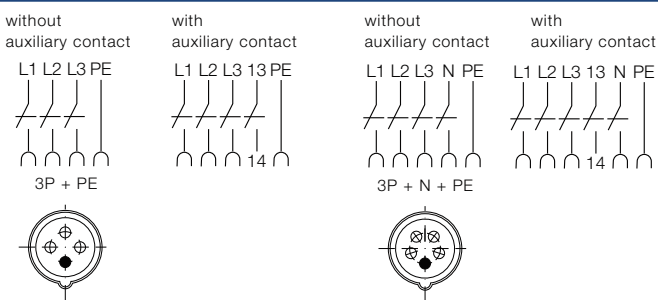
Dimension drawing | Wiring diagram



Wall socket

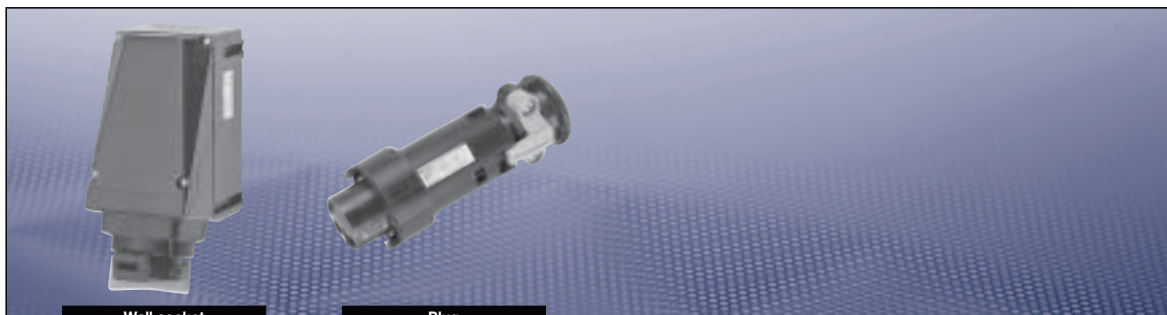


Plug



Dimensions in mm

10 A 21-pole up to 250 V



Wall socket

Plug

Technical data

Ex-plugs and sockets, 21-pole

Marking to 94/9/EC	II 2 G EEx e II T6
EC-Type Examination Certificate	PTB 00 ATEX 1109
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	up to 250 V
Rated current	10 A
Frequency	up to 400 Hz
Back up fuse	without therm. protection: 10 A with therm. protection: 16 A gL (rated current 10 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP65
Enclosure colour	Black

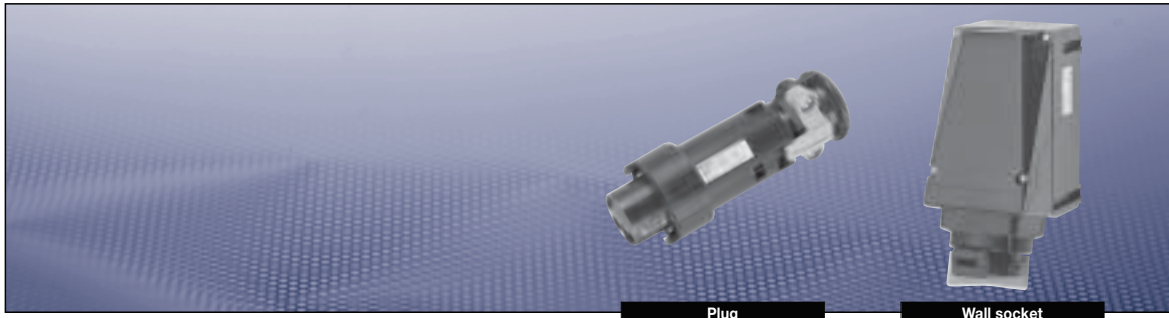
Wall socket

Cable glands/enclosure drilling	1 x M63 Ø 17 - 28 mm, 1 x M32 metal thread with Ex-screw plugs plastic
Connecting terminals	1 x 2.5 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

Cabel glands	Ø 19 - 28 mm
Connecting terminals	1 x 2.5 mm ² crimp or solder connection ¹⁾
Enclosure material	Polyamide

¹⁾ Please use appropriate crimp tool



Ordering details

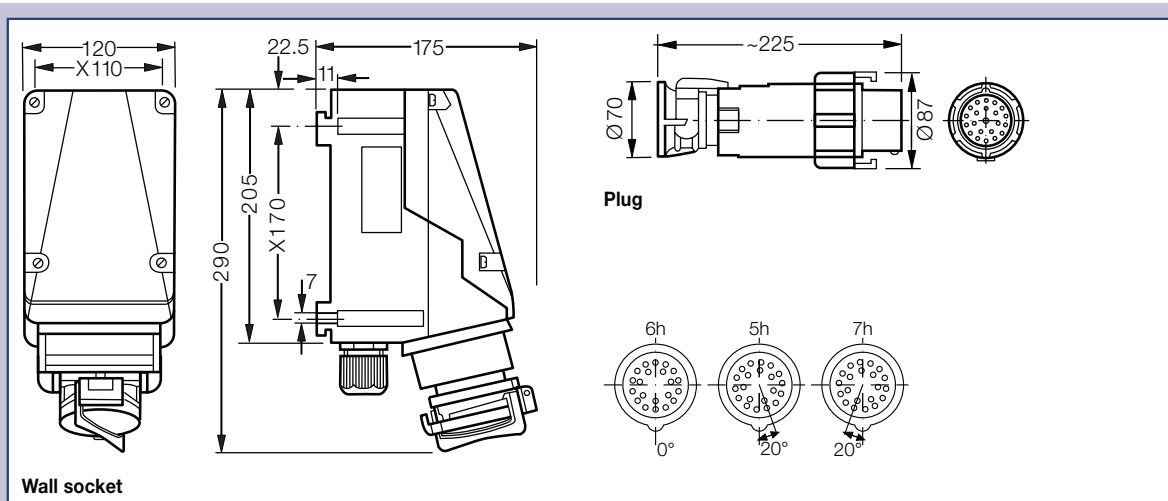
Type	h	Cable entry	Weight	Order No.
Type 10 A 21-pole				
Wall socket	5 h	KU	1.8 kg	GHG 511 4905 R0001
Wall socket	5 h	ME	1.9 kg	GHG 511 4905 R3001
Plug	5 h		0.7 kg	GHG 591 2201 R0001
Wall socket	6 h	KU	1.8 kg	GHG 511 4906 R0001
Wall socket	6 h	ME	1.9 kg	GHG 511 4906 R3001
Plug	6 h		0.7 kg	GHG 591 2201 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.
Accessories			
Plug cap 21-pole			GHG 530 1935 R0008
Mounting plate size 5	for wall mounting	snapp on	GHG 610 1953 R0128
Mounting plate size 5	for trellis mounting	snapp on	GHG 610 1953 R0128
Mounting plate size 5	for pipe mounting	snapp 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
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 16-28 mm

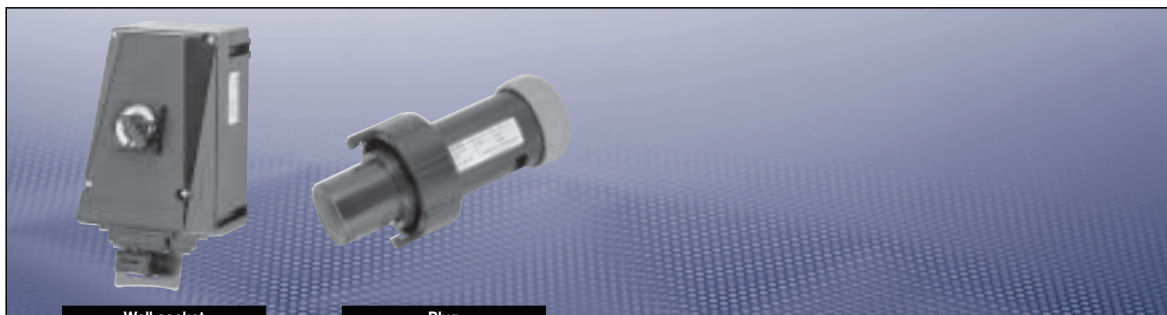
ME = 1 x metal thread M32 with Ex-screw plug plastic

Dimension drawing | Wiring diagram



Dimensions in mm

20A 7-pole up to 500 V



Wall socket

Plug

Technical data

Ex-plugs and sockets, 7-pole

Marking to 94/9/EC	II 2 G EEx ed IIC T6/T5 or II 2 G EEx ed ia IIC T6/T5
EC-Type Examination Certificate	PTB 00 ATEX 1109
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	up to 500 V
Rated current	16 A (T6) / 20 A (T5)
Frequency	up to 400 Hz
Switch rating AC3	10 A (500 V) / 16 A (250 V)
Back up fuse	without therm. protection: 16 A with therm. protection: 25 A gL (rated current 16/20 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

Wall socket

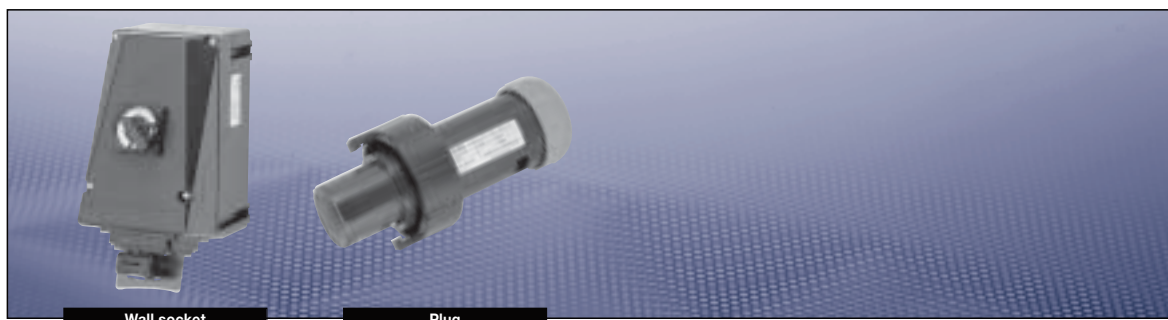
Cable glands/enclosure drilling	2 x M40 Ø 17 - 28 mm, 1 Ex screw plugs plastic or 2 x M32 metal thread with 2 Ex screw plugs plastic
Connecting terminals	2 x 4 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

Cabel glands	Ø 9 - 17 mm
Connecting terminals	1 x 1.0 - 2.5 mm ² crimped or soldered connection ¹⁾
Enclosure material	Polyamide

¹⁾ Please use appropriate crimp tool

| 20 A 7-pole up to 500 V |



Ordering details

Type	h	Cable entry	Weight	Order No.
Type 20 A 7-pole				
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 7-pole	7 h		0.3 kg	GHG 592 2001 R0022

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

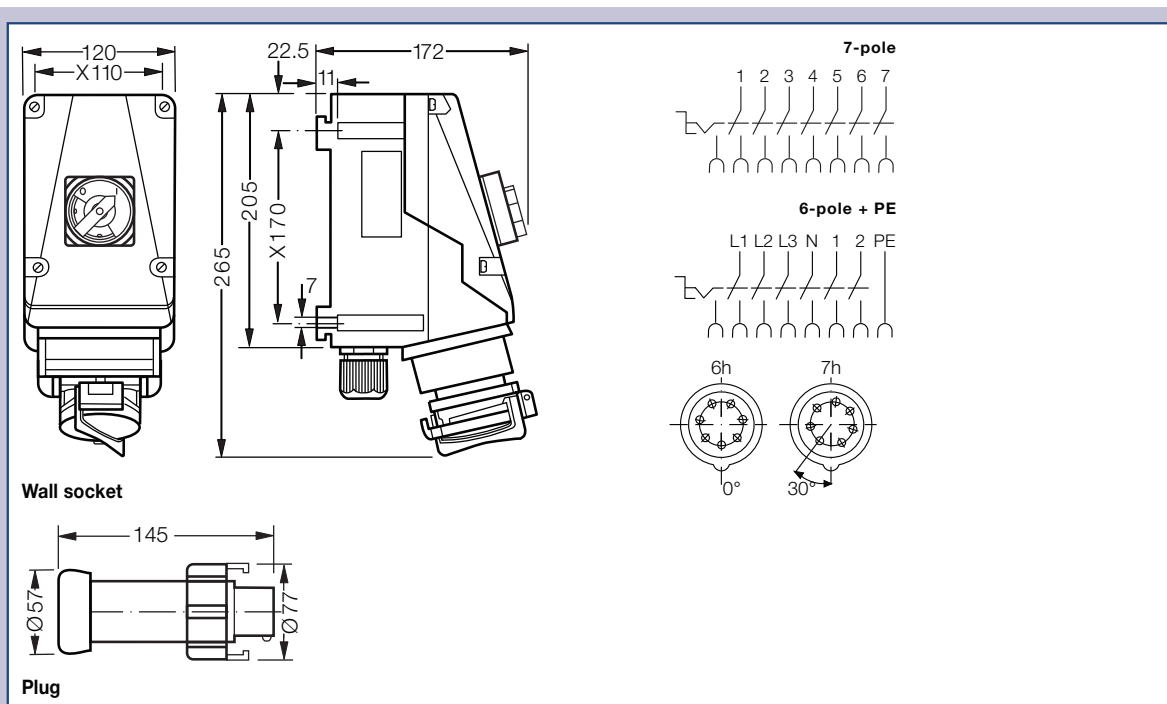
Other voltage ranges and versions available on request.

KU = 1 x plastic cable glands M40 Ø 16-28 mm, 1 x M40 with Ex-screw plug plastic

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

Fixing material and accessories see page 6.xx pp.

Dimension drawing | Wiring diagram



Dimensions in mm

E X - P L U G A N D S O C K E T

16 A Metallic Design for Zone 1

The explosion-protected light metal plug and socket devices pursuant to IEC 60309 can be used in the areas of Zone 1 and Zone 2 at no risk of explosion. Extremely harsh conditions of use in the hazardous area requires the devices to have highest mechanical strength. The explosion-protected CEAG plug and socket devices can be used to supply the appropriate energy to portable electrical equipment in these harsh conditions.

The robust plug and socket devices with high-quality cast aluminium housings can be connected to a large connecting room via explosion-proof conduits or explosion-proof screwed connections.

Unused flameproof threads for cable glands have to be closed with certified plugs.

The light metal plug and socket devices have an outside earthing connection.

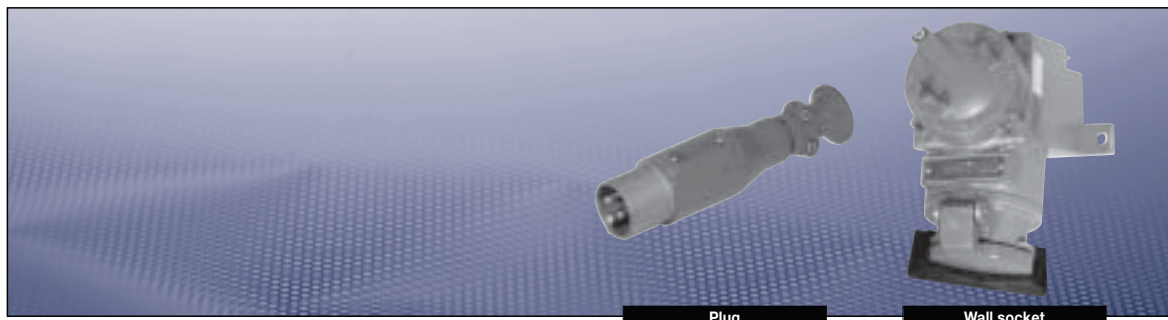
The explosion-protected plug can be plugged into an industrial sockets if their contact disposability is acc. to IEC 309 connecting terminals are in an Ex-e chamber, all other parts are Ex-d protected.



Ex-d enclosure

High mechanical, chemical and thermal resistance conduit

Connecting technology



Plug

Wall socket

Technical data

Ex-protected plug and socket accd. to IEC 60309-1/2

Marking to 94/9/EC	Ⓔ II 2 G EEx de IIC T6
EC-Type Examination Certificate	LOM 03 ATEX 2019
Permissible ambient temperature	-20 °C up to +55 °C
Rated voltage	see ordering details
Rated current	up to 16 A
Frequency	50/60 Hz
Switching capacity AC-3 / DC-1	up to 415 V~ 16 A
Back-up fuse, max.	without therm. protection: 16 A / with therm. protection: 35 A gL
Degree of protection to EN 60529	IP65
Enclosure material	Light alloy, polyester paint finish

Wall socket

Cable glands	2 x 3/4", ISO 7/1, one plugged
Connecting terminals	2 x 2.5 mm ²

Plug

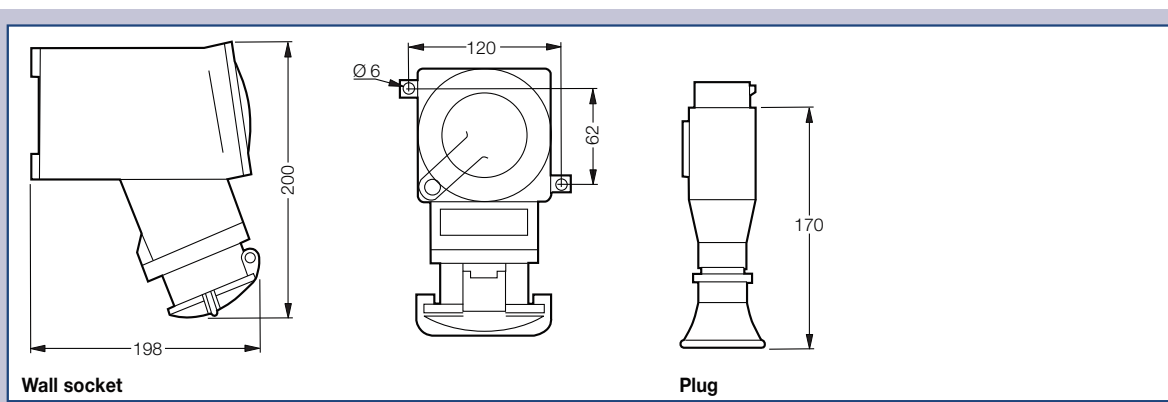
Cable glands	Ø 8.5 - 13.5 mm
Connecting terminals	1 x 2.5 mm ² / PE: 1 x 6 mm ²

Ordering details

Voltage ¹⁾	h	Type	Weight approx.	Order No.
Type 16 A 3-pole				
220 - 250 V	6	Wall socket	2.7 kg	NOR 000 003 230 016
	6	Plug	0.55 kg	NOR 000 003 230 058
Type 16 A 4-pole				
380 - 415 V	6	Wall socket	2.7 kg	NOR 000 003 230 024
	6	Plug	0.55 kg	NOR 000 002 230 066
Type 16 A 5-pole				
380 - 415 V	6	Wall socket	2.7 kg	NOR 000 003 230 032
	6	Plug	0.7 kg	NOR 000 003 230 074

¹⁾ Others on request

Dimension drawing



Wall socket

Plug

Dimensions in mm

EX - PLUGS AND SOCKETS

16 A to 125 A
Plastic version for Zone 2

A good contact

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

Non-stationary electrical apparatus have generally high requirements on the energy/power supply. Robust plugs and sockets 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 sockets 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.

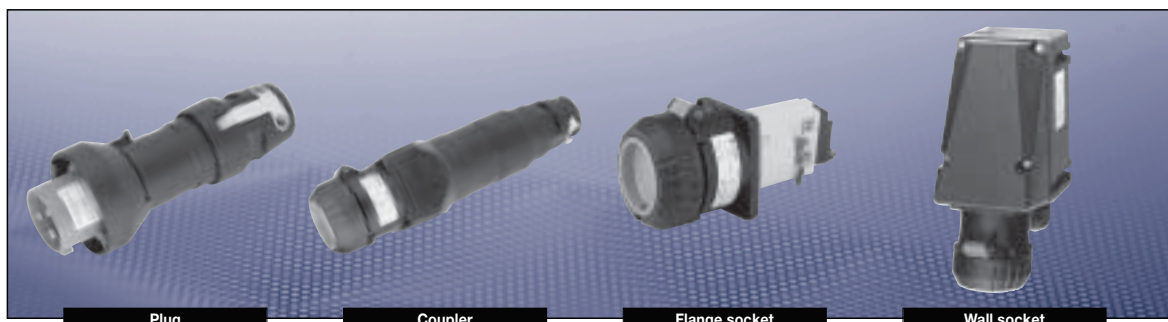
Apart from the plugs and sockets for the European market, we also have plugs and sockets extra for the US market, which are in accordance to all of the necessary standards UL and safety protection systems used there.

The available standard range used here, are the 20 A, 30 A, 60 A and 100 A.

International approvals.

- 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**





Technical data

Ex-plugs and sockets accd. to IEC 60309-1/2 16A

Marking to 94/9/EC	II 3 G EEx nC IIC T5/T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 400 V (3-pole) / 750 V (4-pole) / 500 V (5-pole)
Rated current	up to 16 A
Frequency	up to 400 Hz
Switching capacity AC-3	16 A (up to 400 V)
Back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gL (rated current 16 A set to)
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket

Cable glands	1 x M25 Ø 8 - 17 mm, 1 x M25 Ex-screw plug plastic or 2 x metal thread M20 with Ex-screw plug plastic
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

Cable glands	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 ²
Enclosure material	Polyamide

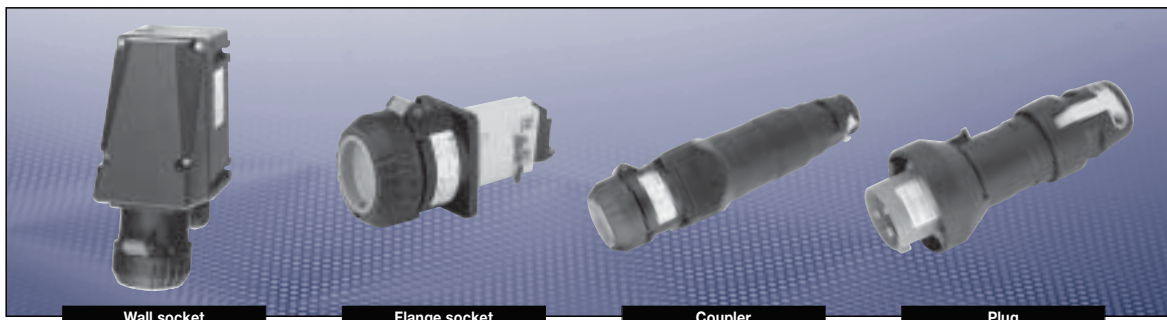
Coupler

Cable glands	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Polyamide

Flange socket

Connecting terminals	2 x 1 - 4 mm ²
Enclosure material	Polyamide

| Zone 2: 16A 3-pole, 4-pole and 5-pole up to 690 V |



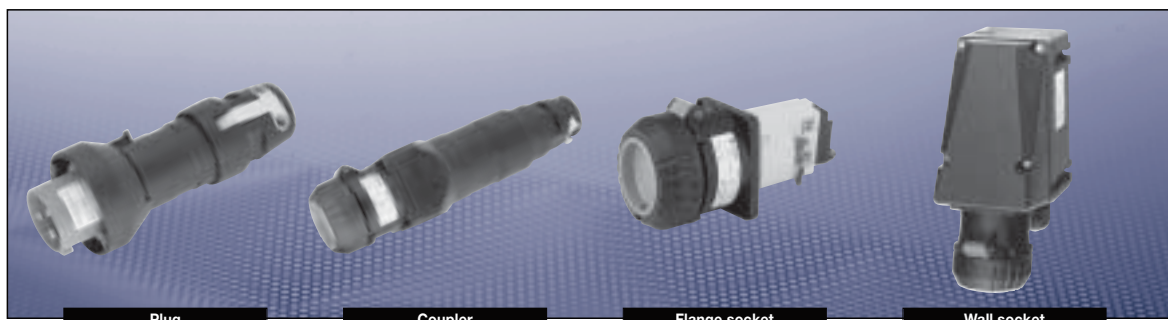
Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type 16 A 3-pole					
110-130 V		Wall socket	KU	1.2 kg	GHG 516 4304 R0001
		Wall socket	ME	1.3 kg	GHG 516 4304 R3001
		Flange socket		0.4 kg	GHG 516 8304 R0001
		Coupler		0.7 kg	GHG 516 3304 R0001
		Plug		0.35 kg	GHG 516 7304 R0001
200-250 V		Wall socket	KU	1.2 kg	GHG 516 4306 R0001
		Wall socket	ME	1.3 kg	GHG 516 4306 R3001
		Flange socket		0.4 kg	GHG 516 8306 R0001
		Coupler		0.7 kg	GHG 516 3306 R0001
		Plug		0.35 kg	GHG 516 7306 R0001
Type 16 A 4-pole					
200-250 V		Wall socket	KU	1.8 kg	GHG 516 4409 R0001
		Wall socket	ME	1.9 kg	GHG 516 4409 R3001
		Flange socket		1.0 kg	GHG 516 8409 R0001
		Coupler		1.7 kg	GHG 516 3409 R0001
		Plug		0.7 kg	GHG 516 7409 R0001
380-415 V		Wall socket	KU	1.8 kg	GHG 516 4406 R0001
		Wall socket	ME	1.9 kg	GHG 516 4406 R3001
		Flange socket		1.0 kg	GHG 516 8406 R0001
		Coupler		1.7 kg	GHG 516 3406 R0001
		Plug		0.7 kg	GHG 516 7406 R0001
480-500 V		Wall socket	KU	1.8 kg	GHG 516 4407 R0001
		Wall socket	ME	1.9 kg	GHG 516 4407 R3001
		Flange socket		1.0 kg	GHG 516 8407 R0001
		Coupler		1.7 kg	GHG 516 3407 R0001
		Plug		0.7 kg	GHG 516 7407 R0001
600-690 V		Wall socket	KU	1.8 kg	GHG 516 4405 R0001
		Wall socket	ME	1.9 kg	GHG 516 4405 R3001
		Flange socket		1.0 kg	GHG 516 8405 R0001
		Coupler		1.7 kg	GHG 516 3405 R0001
		Plug		0.7 kg	GHG 516 7405 R0001
Type 16 A 5-pole					
200-250 V		Wall socket	KU	1.8 kg	GHG 516 4506 R0001
380-415 V		Wall socket	ME	1.9 kg	GHG 516 4506 R3001
Flange socket			1.0 kg	GHG 516 8506 R0001	
Coupler			1.7 kg	GHG 516 3506 R0001	
Plug			0.7 kg	GHG 516 7506 R0001	

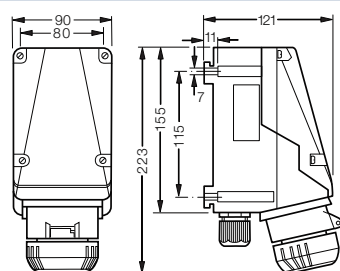
Other voltage ranges and versions for example with auxiliary contact available on request

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

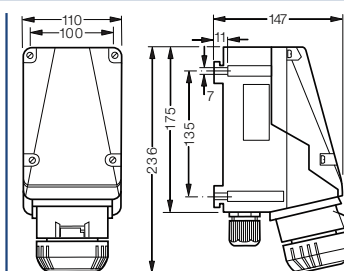
ME = 2 x metal thread M20 with Ex-screw plug plastic



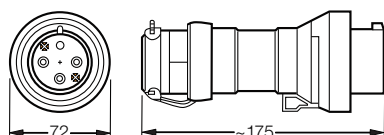
Dimension drawing | Wiring diagram



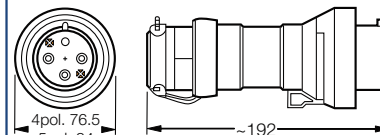
Wall socket 3-pole



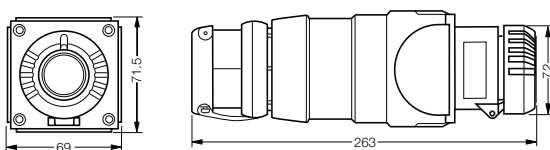
Wall socket 4/5-pole



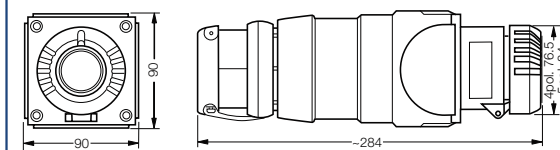
Plug 3-pole



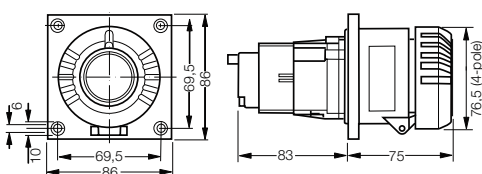
Plug 4/5-pole



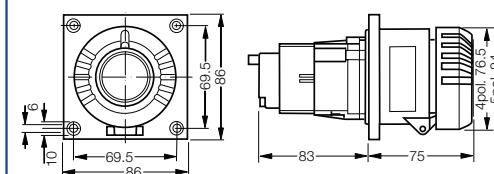
Coupler 3-pole



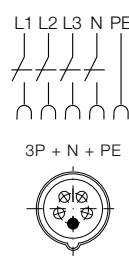
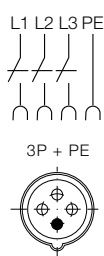
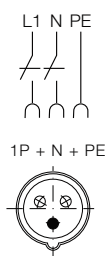
Coupler 4/5-pole



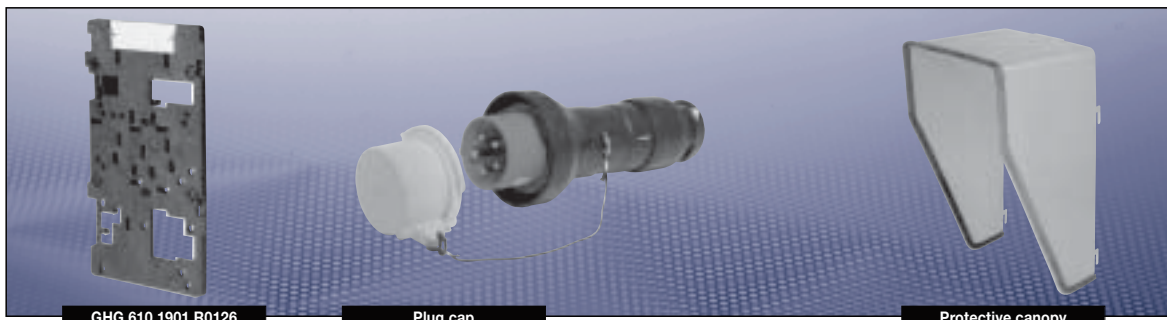
Flange socket 3-pole



Flange socket 4/5-pole



Dimensions in mm

| Zone 2: 16A 3-pole, 4-pole and 5-pole up to 690 V |

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 mounting	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

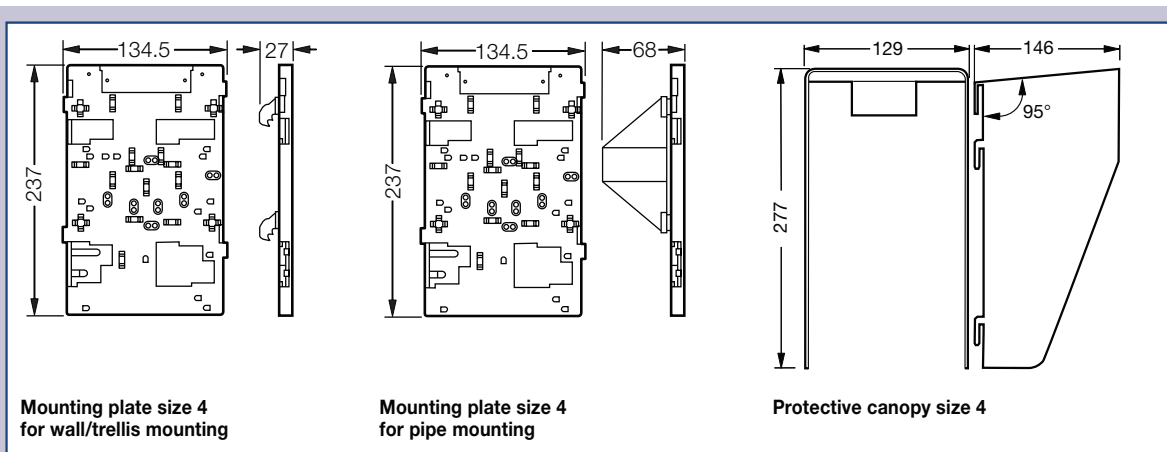
Accessories for mounting plates

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

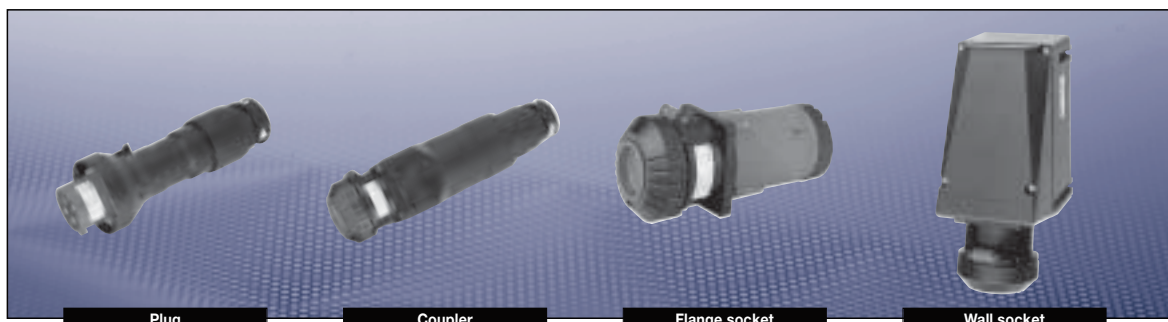
Please pay attention that only order units (OU) according to the ordering details can be delivered.

Protective canopy for mounting plate

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

Dimension drawing


Dimensions in mm



Technical data

Ex-plugs and sockets accd. to IEC 60309-1/2

Marking to 94/9/EC	Ⓔ II 3 G EEx nC IIC T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	690 V
Rated current	up to 32 A
Frequency	up to 400 Hz
Switching rating AC3	690 V/32 A
Back-up fuse	without therm. protection: 35 A with therm. protection: 50 A gL (rated current 32 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

Wall socket

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

Plug

Cabel glands	Ø 17 - 28 mm
Connecting terminals	1 x 1.0 - 6 mm ²
Enclosure material	Polyamide

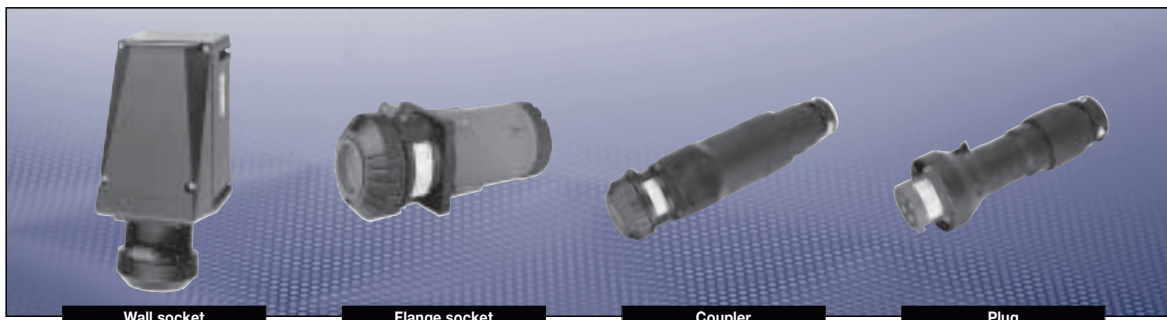
Coupler

Cabel glands	Ø 17 - 28 mm
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	Polyamide

Flange socket

Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	Polyamide

Zone 2: 32A 4-pole and 5-pole up to 690 V



Ordering details

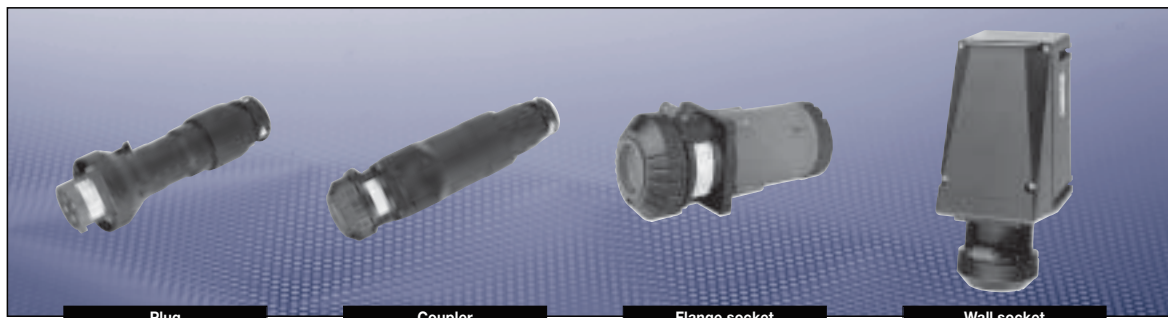
Voltage	h	Type	Cable entries	Weight approx.	Order No.
Type 32 A 4-pole					
200-250 V		Wall socket	KU	1.8 kg	GHG 517 4409 R0001
		Wall socket	ME	1.9 kg	GHG 517 4409 R3001
		Flange socket		1.0 kg	GHG 517 8409 R0001
		Coupler		1.7 kg	GHG 517 3409 R0001
		Plug		0.7 kg	GHG 517 7409 R0001
380-415 V		Wall socket	KU	1.8 kg	GHG 517 4406 R0001
		Wall socket	ME	1.9 kg	GHG 517 4406 R3001
		Flange socket		1.0 kg	GHG 517 8406 R0001
		Coupler		1.7 kg	GHG 517 3406 R0001
		Plug		0.7 kg	GHG 517 7406 R0001
480-500 V		Wall socket	KU	1.8 kg	GHG 517 4407 R0001
		Wall socket	ME	1.9 kg	GHG 517 4407 R3001
		Flange socket		1.0 kg	GHG 517 8407 R0001
		Coupler		1.7 kg	GHG 517 3407 R0001
		Plug		0.7 kg	GHG 517 7407 R0001
600-690 V		Wall socket	KU	1.8 kg	GHG 517 4405 R0001
		Wall socket	ME	1.9 kg	GHG 517 4405 R3001
		Flange socket		1.0 kg	GHG 517 8405 R0001
		Coupler		1.7 kg	GHG 517 3405 R0001
		Plug		0.7 kg	GHG 517 7405 R0001

Type 32 A 5-pole						
200-250 V		Wall socket	KU	1.8 kg	GHG 517 4506 R0001	
380-415 V		Wall socket	ME	1.9 kg	GHG 517 4506 R3001	
		Flange socket		1.0 kg	GHG 517 8506 R0001	
		Coupler		1.7 kg	GHG 517 3506 R0001	
		Plug		0.7 kg	GHG 517 7506 R0001	

Other voltage ranges and versions with auxiliary contact available on request

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

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



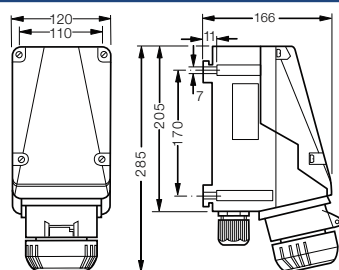
Plug

Coupler

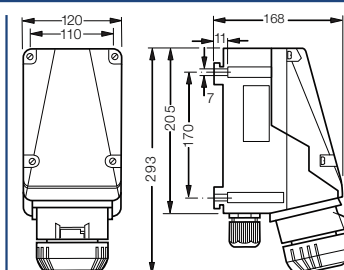
Flange socket

Wall socket

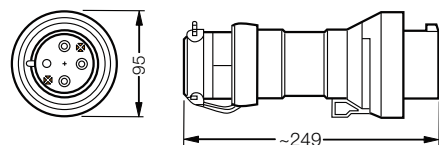
Dimension drawing | Wiring diagram



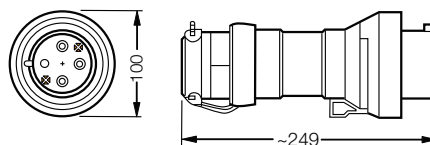
Wall socket 4-pole



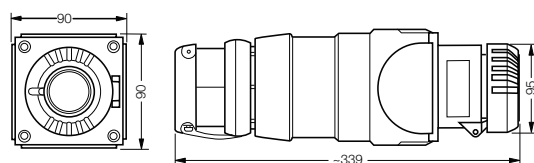
Wall socket 5-pole



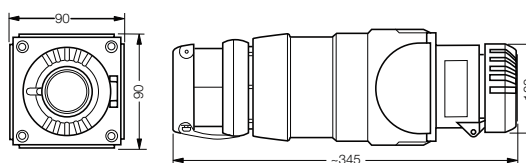
Plug 4-pole



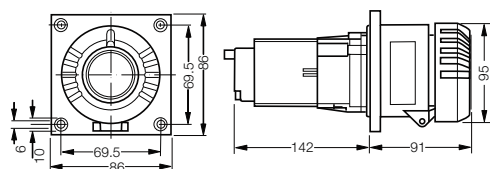
Plug 5-pole



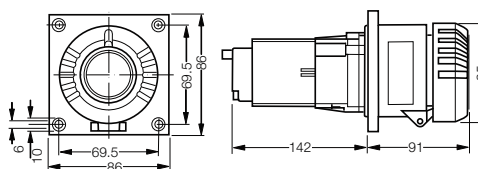
Coupler 4-pole



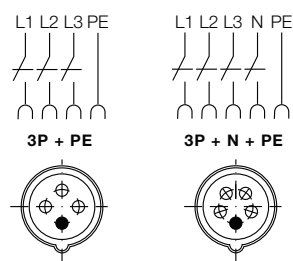
Coupler 5-pole



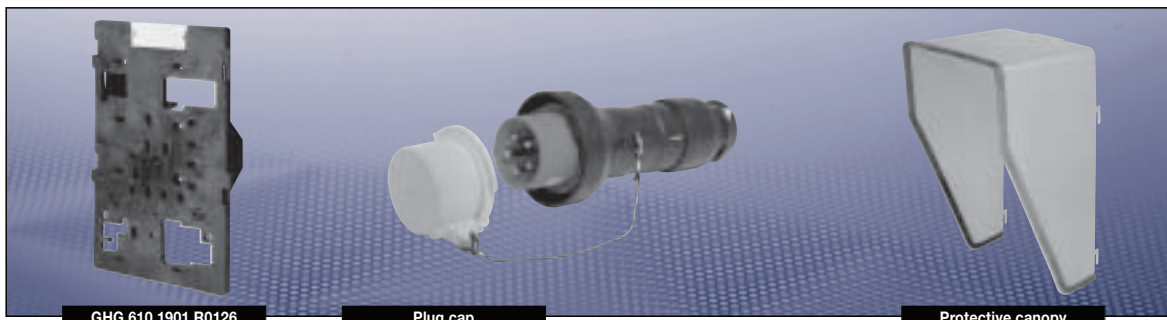
Flange socket 4-pole



Flange socket 5-pole



Dimensions in mm

| Zone 2: 32A 4-pole and 5-pole up to 690 V |

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 mounting	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

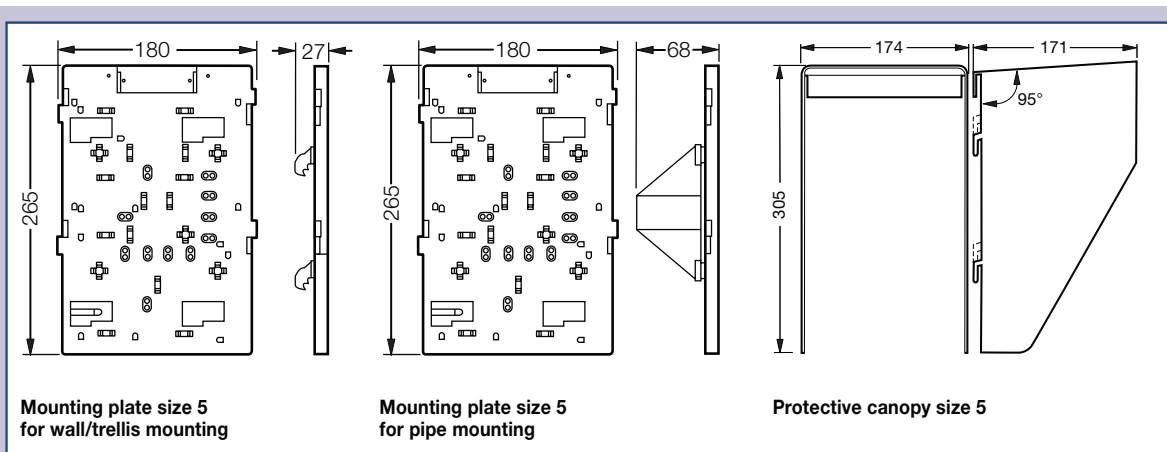
Accessories for mounting plates

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

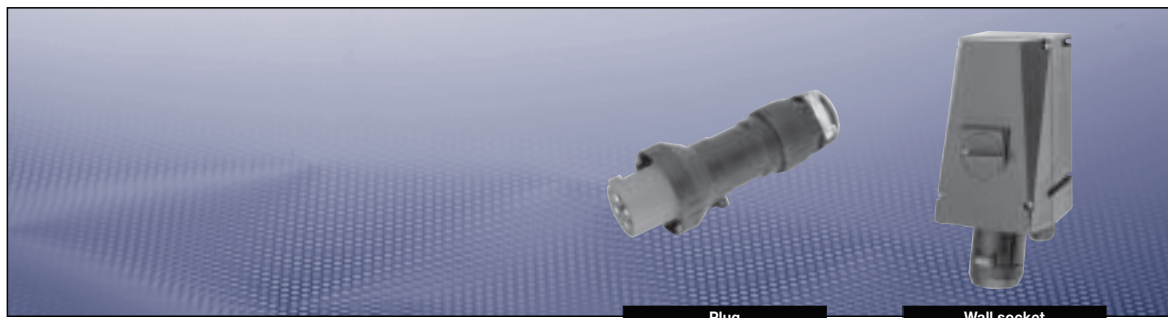
Please pay attention that only order units (OU) according to the ordering details can be delivered.

Protective canopy for mounting plate

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

Dimension drawing


Dimensions in mm



Plug

Wall socket

Technical data

Ex-plugs and sockets accd. to IEC 60309-1/2 up to 690 V

Marking to 94/9/EC	Ⓔ II 3 G EEx nC IIC T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	up to 690 V
Rated current	up to 63 A
Frequency	up to 400 Hz
Switch rating AC3	690 V/63 A
Back up fuse	without therm. protection: 63 A with therm. protection: 80 A gL (rated current 63 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

Wall socket

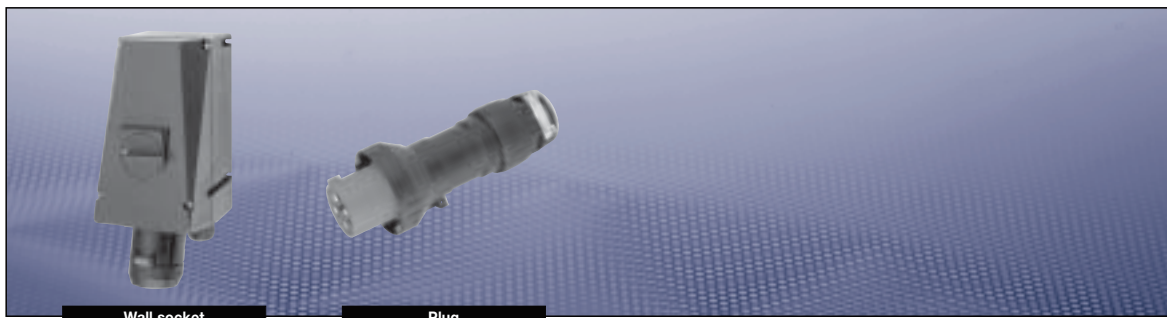
Cable glands/enclosure drilling	1 x M50 Ø 22 - 35 mm, 1 x M50 Ex-screw plug plastic or 2 x M40 metal thread with Ex-screw plug plastic
Connecting terminals	2 x 4 - 25 mm ² / with cable lug ¹⁾ 1 x 35 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

Cabel glands	Ø 19 - 34 mm
Connecting terminals	1 x 4 - 16 mm ²
Enclosure material	Polyamide

¹⁾ use delivered cable lugs

Zone 2: 63 A 4- and 5-pole up to 690 V



Ordering details

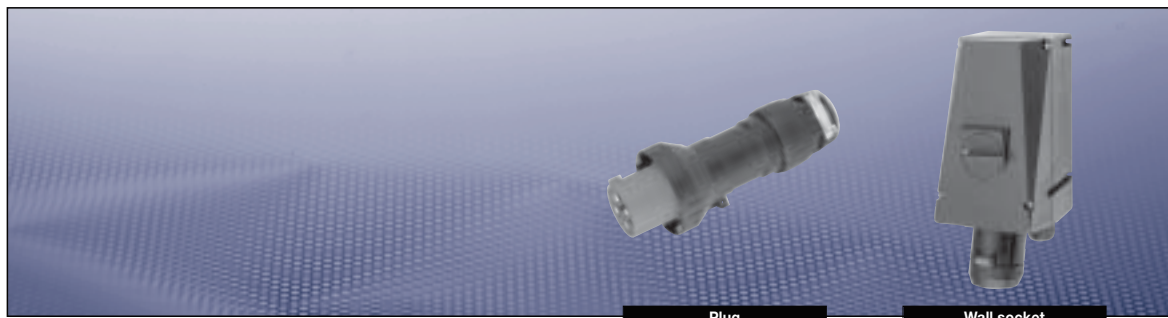
Voltage	h	Type	Cable entries	Weight approx.	Order No.
Type 63 A 4-pole					
200-250 V		Wall socket	KU	8.1 kg	GHG 518 4409 R0001
		Wall socket	ME	8.2 kg	GHG 518 4409 R3001
		Plug		0.75 kg	GHG 518 7409 R0001
380-415 V		Wall socket	KU	8.1 kg	GHG 518 4406 R0001
		Wall socket	ME	8.2 kg	GHG 518 4406 R3001
		Plug		0.75 kg	GHG 518 7406 R0001
480-500 V		Wall socket	KU	8.1 kg	GHG 518 4407 R0001
		Wall socket	ME	8.2 kg	GHG 518 4407 R3001
		Plug		0.75 kg	GHG 518 7407 R0001
600-690 V		Wall socket	KU	8.1 kg	GHG 518 4405 R0001
		Wall socket	ME	8.2 kg	GHG 518 4405 R3001
		Plug		0.75 kg	GHG 518 7405 R0001

Type 63 A 5-pole					
200-250 V		Wall socket	KU	8.15 kg	GHG 518 4506 R0001
		Wall socket	ME	8.25 kg	GHG 518 4506 R3001
		Plug		0.75 kg	GHG 518 7506 R0001

Accessories

Plug cap for plugs

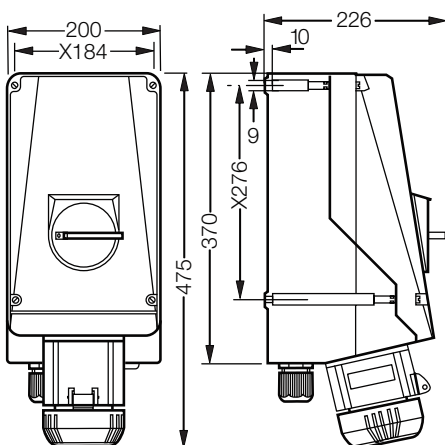
Type	Order No.
Plug cap 4-pole/5-pole	GHG 510 1901 R0006



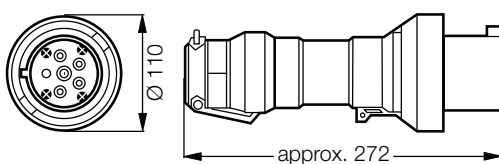
Plug

Wall socket

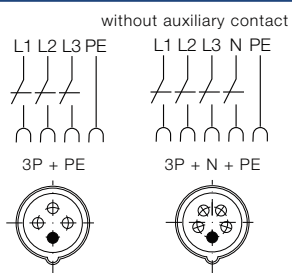
Dimension drawing | Wiring diagram



Wall socket

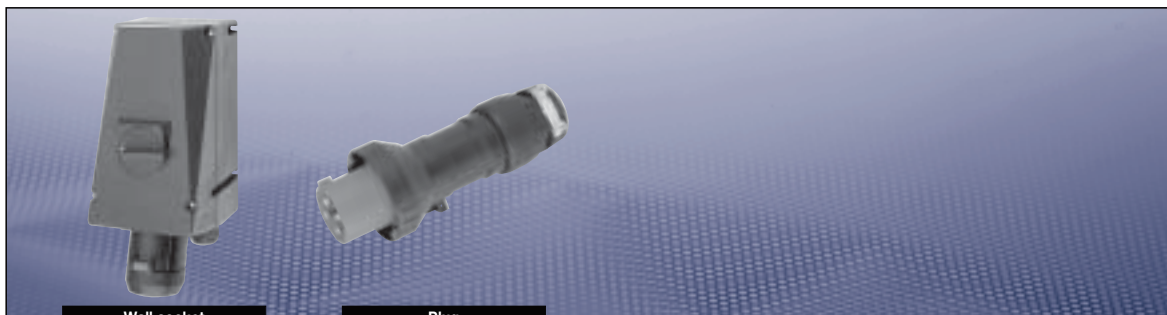


Plug



Dimensions in mm

| Zone 2: 125A 4- and 5-pole up to 690 V |



Wall socket

Plug

Technical data

Ex-plugs and sockets accd. to IEC 60309-1/2 to 690 V

Marking to 94/9/EC	II 3 G EEX de IIC T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	up to 690 V
Rated current	up to 125 A
Frequency	up to 400 Hz
Switch rating AC3	690 V/125 A
Back up fuse	without therm. protection: 125 A with therm. protection: 160 A gL (rated current 125 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

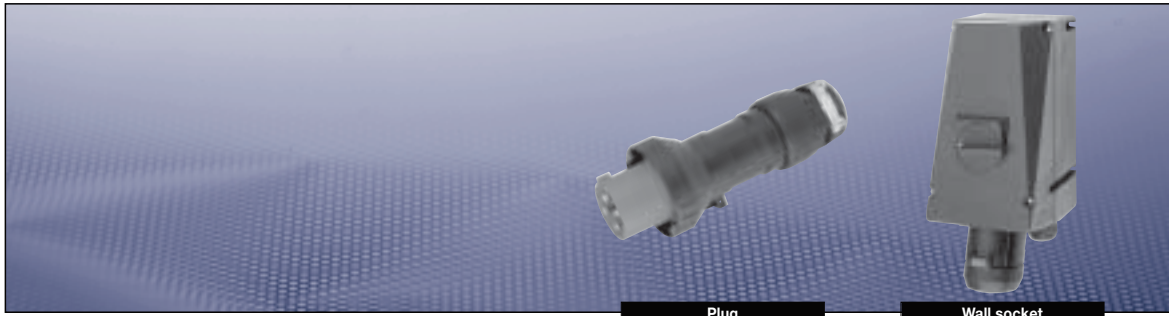
Wall socket

Cable glands/enclosure drilling	1 x M63 Ø 27 - 48 mm, 1 x M63 Ex-screw plug plastic or 1 x M50 Ø 21 - 35 mm, 1 x M50 Ex-screw plug plastic
Connecting terminals	2 x 4 - 50 mm ² / with cable lug ¹⁾ 1 x 120 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

Cabel glands	Ø 31 - 58 mm
Connecting terminals	1 x 4 - 35 mm ² / with pin cable lug ¹⁾ 1 x 50 mm ²
Enclosure material	Polyamide

¹⁾ use only delivered cable lug



Plug

Wall socket

Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type 125 A 4-pole					
200-250 V		Wall socket	KU	12.3 kg	GHG 519 4409 R0001
		Wall socket	ME	12.5 kg	GHG 519 4409 R3001
		Plug		0.9 kg	GHG 519 7409 R0001
380-415 V		Wall socket	KU	12.3 kg	GHG 519 4406 R0001
		Wall socket	ME	12.5 kg	GHG 519 4406 R3001
		Plug		0.9 kg	GHG 519 7406 R0001
480-500 V		Wall socket	KU	12.3 kg	GHG 519 4407 R0001
		Wall socket	ME	12.5 kg	GHG 519 4407 R3001
		Plug		0.9 kg	GHG 519 7407 R0001
600-690 V		Wall socket	KU	12.3 kg	GHG 519 4405 R0001
		Wall socket	ME	12.5 kg	GHG 519 4405 R3001
		Plug		0.9 kg	GHG 519 7405 R0001

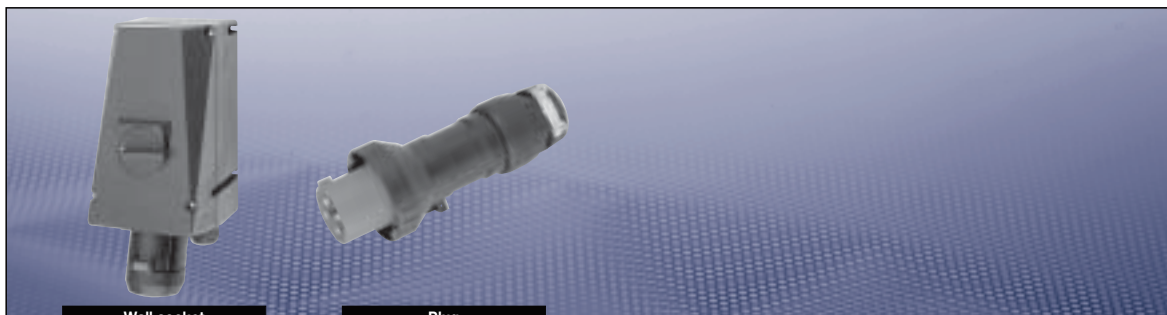
Type 125 A 5-pole					
200-250 V		Wall socket	KU	13 kg	GHG 519 4506 R0001
380-415 V		Wall socket	ME	13.2 kg	GHG 519 4506 R3001
		Plug		1.2 kg	GHG 519 7506 R0001

Accessories

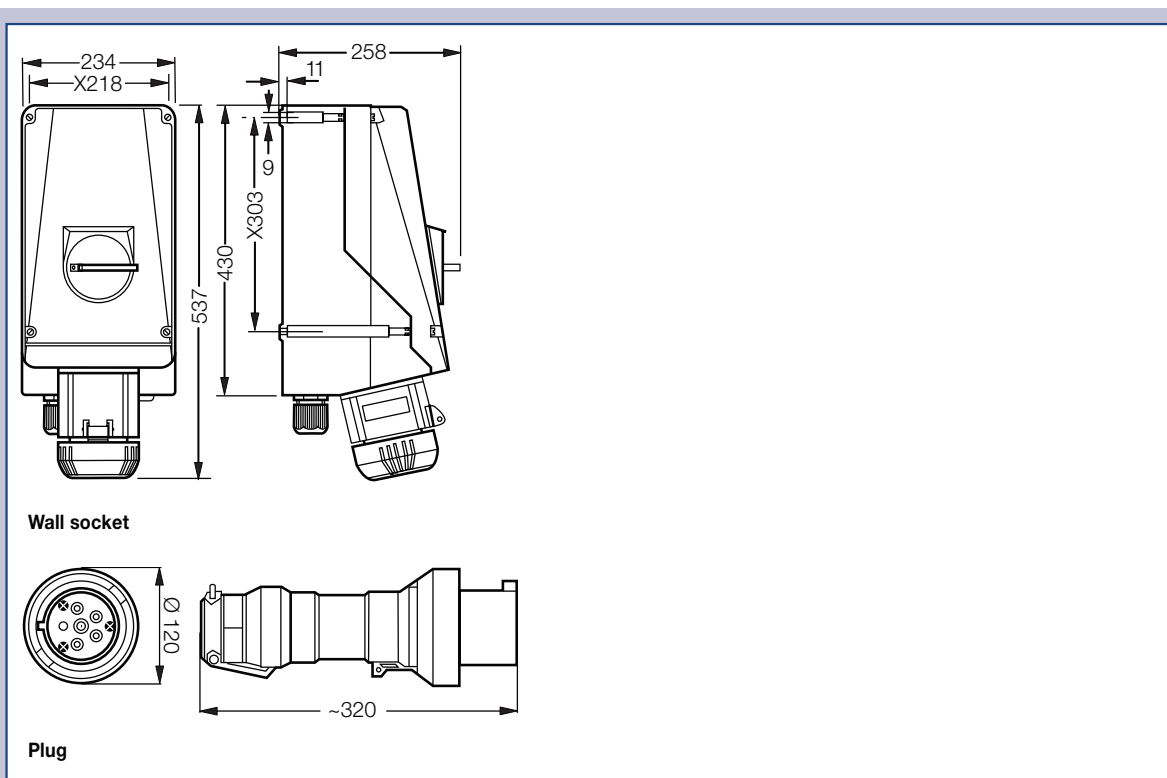
Plug cap for plugs

Type	Order No.
Plug cap 4-pole/5-pole	GHG 510 1901 R0007

| Zone 2: 125A 4- and 5-pole up to 690 V |



Dimension drawing | Wiring diagram



Dimensions in mm

PLUGS AND SOCKETS - INDUSTRY

16 A up to 125 A
Plastic version for industrial use

Not explosion-protected, but in CEAG quality

CEAG plugs and sockets are not only robust, they are also very reliable. In the "normal" industrial environment plugs and sockets are exposed to similar conditions (chemical and mechanical) as their explosion-protected counterparts. With the introduction of the new plug and socket generation Cooper Crouse-Hinds GmbH has now a complete program for industrial usage. The wall sockets can simply be clipped-on onto pre-installed mounting plates without having to use tools. These high quality plugs and sockets warrant even in harsh industrial environments a safe and reliable utilization. The long years of experience in the explosion-protection field has naturally contributed to this new plug and socket generation.

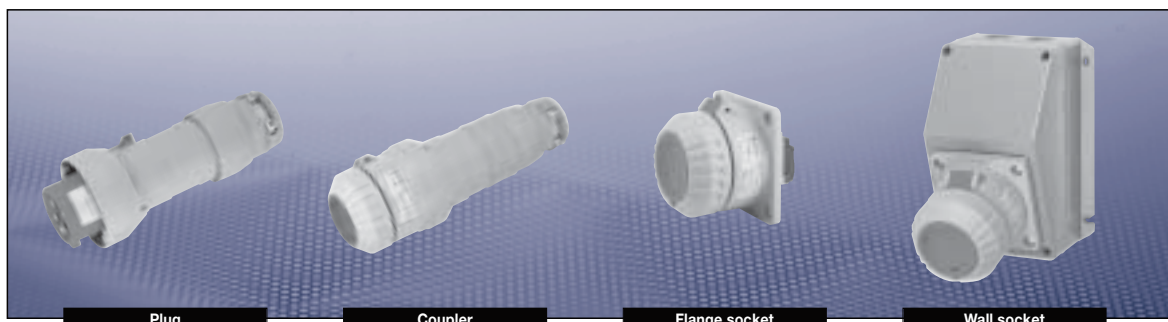
Plugs and sockets of the 16 A to 125 A range fulfil (even when they are plugged-in) the high safety standard of IP66 and have as standard the maintenance-free and proven lamellar contacts. The variable cable entries in connection with the generously dimensioned connection terminals allow for an economical use.

Apart from the IEC 60309 Series I coded versions we also have coded versions of the Series II especially for the US market.

International approvals

- Safety standard IP66 applies also in plugged-in condition**
- Self-cleaning lamellar contacts, low transition resistance**
- Fibre-glass reinforced Polyester housings**
- Easy plugging**





Technical data

Plugs and sockets – Industry accd. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 415 V (3-pole) / up to 690 V (4-/5-pole)
Rated current	up to 16 A
Frequency	50/60 Hz
Back-up fuse, max.	without therm. protection: 16 A
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket

Switching capacity AC-3 for wall socket with switch	500 V/20 A
Cable glands	1 x M25 Ø 8 - 17 mm, 1 x M25 thread plug plastic
Connecting terminals	2 x 1.5 – 4 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

Cable glands	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 ²
Enclosure material	Polyamide

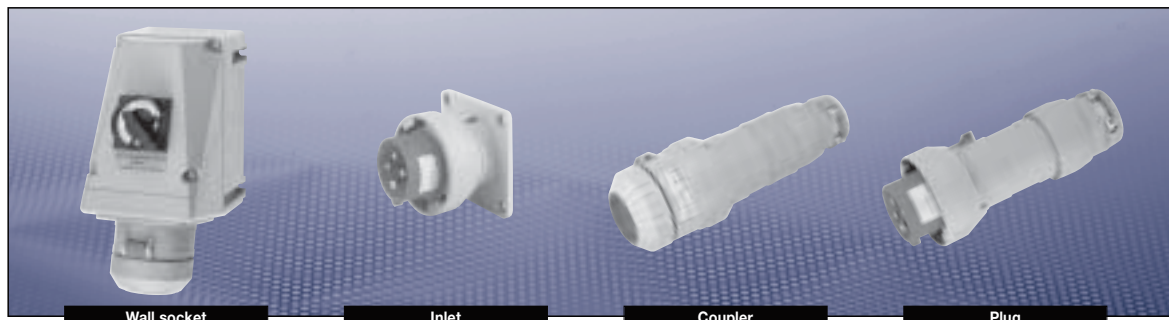
Coupler

Cable glands	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	2 x 1.5 – 4 mm ²
Enclosure material	Polyamide

Flange socket/inlet

Connecting terminals	2 x 1 – 4 mm ²
Enclosure material	Polyamide

Industrial use: 16A 3-pole, 4-pole and 5-pole up to 415 V



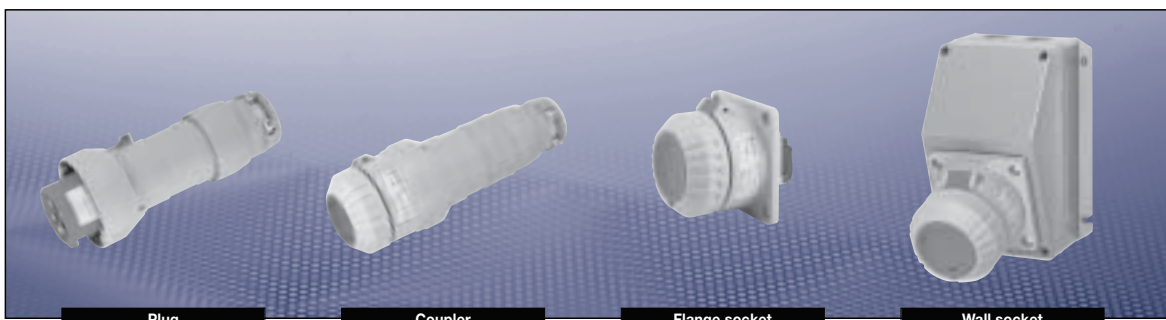
Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 16 A 3-pole				
110-130 V		Wall socket	0.8 kg	GHG 521 2304 R0001
		Plug	0.32 kg	GHG 521 7304 R0001
		Coupler	0.5 kg	GHG 521 3304 R0001
		Flange socket	0.37 kg	GHG 521 8304 R0001
		Inlet	0.26 kg	GHG 521 9304 R0001
200-250 V		Wall socket	0.8 kg	GHG 521 2306 R0001
		Plug	0.32 kg	GHG 521 7306 R0001
		Coupler	0.5 kg	GHG 521 3306 R0001
		Flange socket	0.37 kg	GHG 521 8306 R0001
		Inlet	0.26 kg	GHG 521 9306 R0001

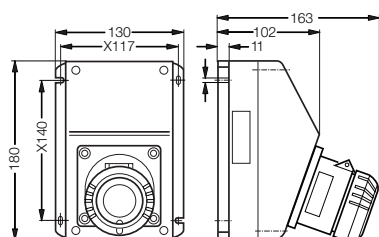
Type 16 A 4-pole				
200-250 V		Wall socket	0.85 kg	GHG 521 2409 R0001
		Wall socket with switch	1.60 kg	GHG 521 4409 R0001
		Plug	0.39 kg	GHG 521 7409 R0001
		Coupler	0.65 kg	GHG 521 3409 R0001
		Flange socket	0.42 kg	GHG 521 8409 R0001
		Inlet	0.31 kg	GHG 521 9409 R0001
380-415 V		Wall socket	0.85 kg	GHG 521 2406 R0001
		Wall socket with switch	1.60 kg	GHG 521 4406 R0001
		Plug	0.39 kg	GHG 521 7406 R0001
		Coupler	0.65 kg	GHG 521 3406 R0001
		Flange socket	0.42 kg	GHG 521 8406 R0001
		Inlet	0.31 kg	GHG 521 9406 R0001
480-500 V		Wall socket	0.85 kg	GHG 521 2407 R0001
		Wall socket with switch	1.60 kg	GHG 521 4407 R0001
		Plug	0.39 kg	GHG 521 7407 R0001
		Coupler	0.65 kg	GHG 521 3407 R0001
		Flange socket	0.42 kg	GHG 521 8407 R0001
		Inlet	0.31 kg	GHG 521 9407 R0001
600-690 V		Wall socket	0.85 kg	GHG 521 2405 R0001
		Wall socket with switch	1.60 kg	GHG 521 4405 R0001
		Plug	0.39 kg	GHG 521 7405 R0001
		Coupler	0.65 kg	GHG 521 3405 R0001
		Flange socket	0.42 kg	GHG 521 8405 R0001
		Inlet	0.31 kg	GHG 521 9405 R0001

Type 16 A 5-pole				
200-250 V		Wall socket	0.90 kg	GHG 521 2506 R0001
380-415 V		Wall socket with switch	1.65 kg	GHG 521 4506 R0001
		Plug	0.42 kg	GHG 521 7506 R0001
		Coupler	0.75 kg	GHG 521 3506 R0001
		6 Flange socket	0.47 kg	GHG 521 8506 R0001
		Inlet	0.34 kg	GHG 521 9506 R0001

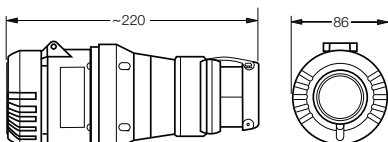
Other voltage ranges and versions available on request



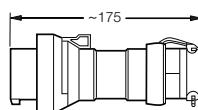
Dimension drawing



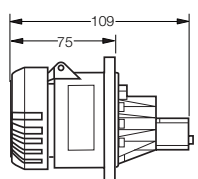
Wall socket 3-pole



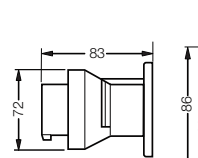
Coupler 3-pole



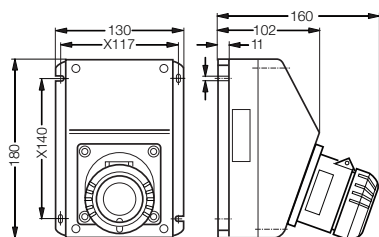
Plug 3-pole



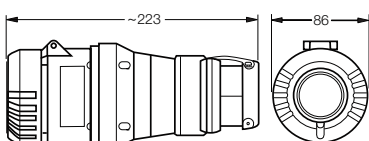
Flange socket 3-pole



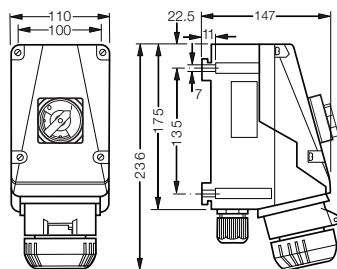
Inlet 3-pole



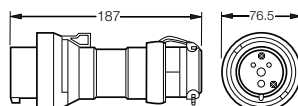
Wall socket 4-pole without switch



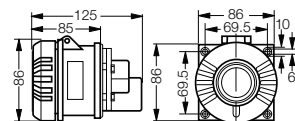
Coupler 4-pole



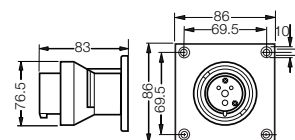
Wall socket 4-pole with switch



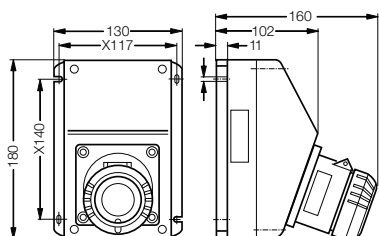
Plug 4-pole



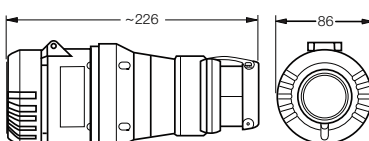
Flange socket 4-pole



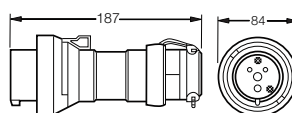
Inlet 4-pole



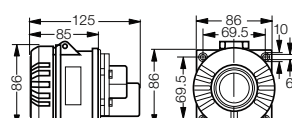
Wall socket 5-pole



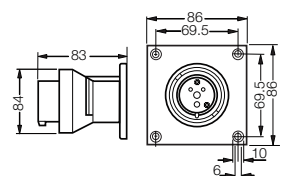
Coupler 5-pole



Plug 5-pole



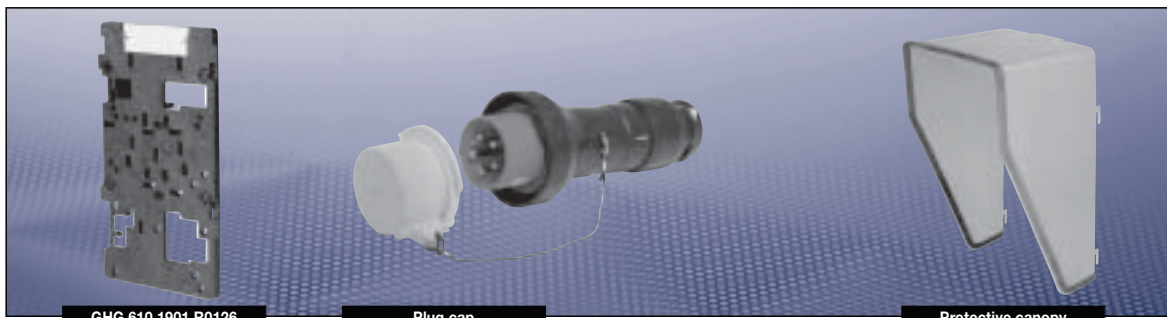
Flange socket 5-pole



Inlet 5-pole

Dimensions in mm

Industrial use: 16A 3-pole, 4-pole and 5-pole up to 415 V



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 mounting	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

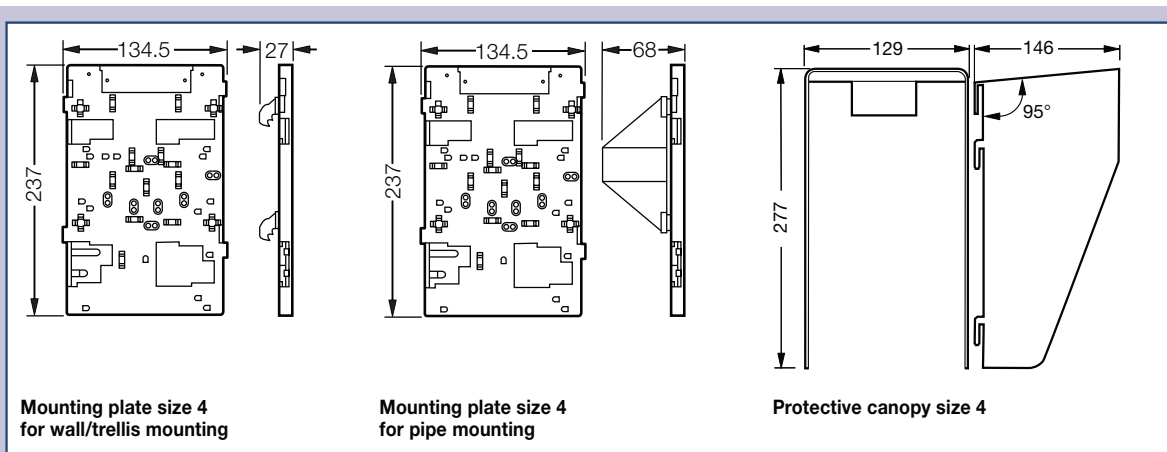
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

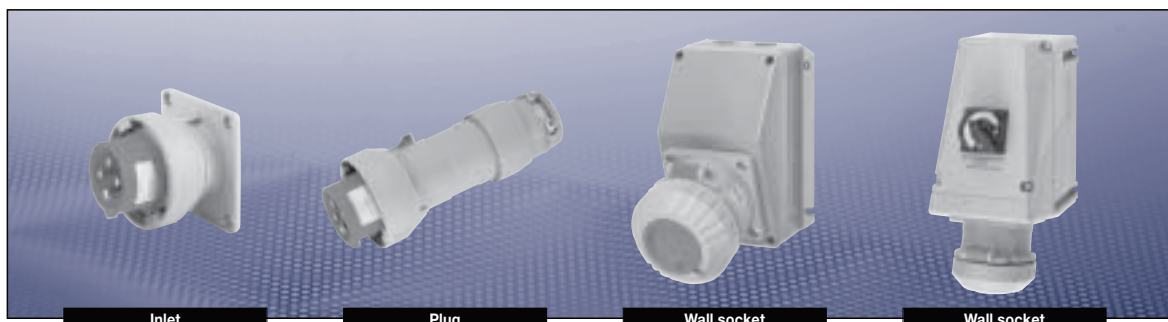
Protective canopy for mounting plate

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

Dimension drawing



Dimensions in mm



Technical data

Plugs and sockets – Industry accd. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 690 V
Rated current	up to 32 A
Frequency	50/60 Hz
Back-up fuse, max.	without therm. protection: 16 A
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket

Switching capacity AC-3 for wall socket with switch	500 V/20 A
Cable glands	1 x M40 Ø 17 - 28 mm, 1 x M40 thread plug plastic
Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

Cable glands	Ø 17 - 28 mm
Connecting terminals	1 x 1 – 6 mm ²
Enclosure material	Polyamide

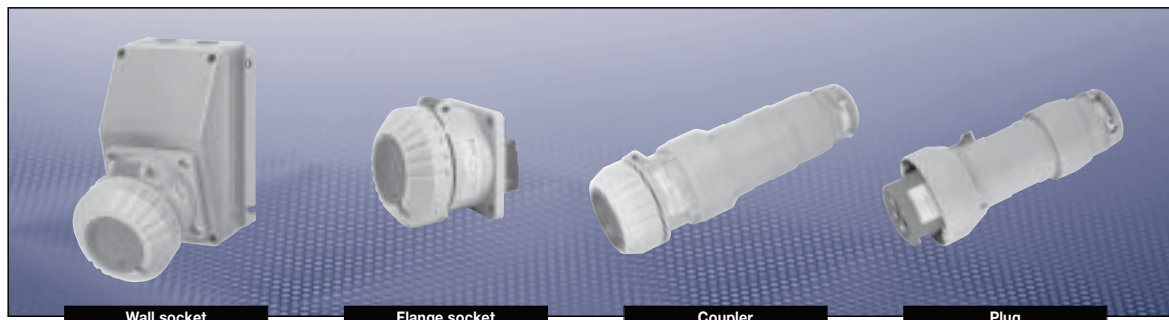
Coupler

Cable glands	Ø 17 - 28 mm
Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	Polyamide

Flange socket/inlet

Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	Polyamide

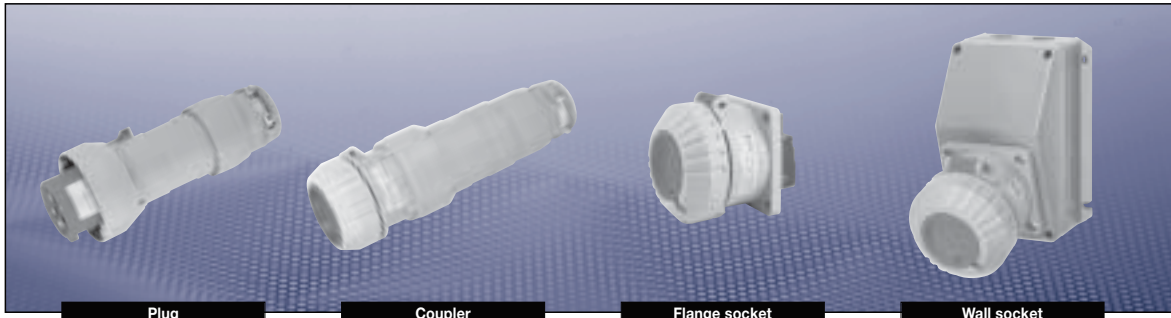
Industrial use: 32A 4-pole and 5-pole up to 415 V



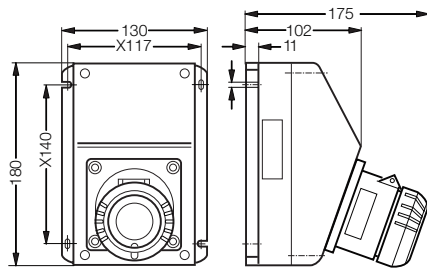
Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 32 A 4-pole				
200-250 V		Wall socket	1.0 kg	GHG 522 2409 R0001
		Wall socket with switch	2.15 kg	GHG 522 4409 R0001
		Plug	0.6 kg	GHG 522 7409 R0001
		Coupler	1.5 kg	GHG 522 3409 R0001
		Flange socket	0.5 kg	GHG 522 8409 R0001
		Inlet	0.32 kg	GHG 522 9409 R0001
380-415 V		Wall socket	1.0 kg	GHG 522 2406 R0001
		Wall socket with switch	2.15 kg	GHG 522 4406 R0001
		Plug	0.6 kg	GHG 522 7406 R0001
		Coupler	1.5 kg	GHG 522 3406 R0001
		Flange socket	0.5 kg	GHG 522 8406 R0001
		Inlet	0.32 kg	GHG 522 9406 R0001
480-500 V		Wall socket	1.0 kg	GHG 522 2407 R0001
		Wall socket with switch	2.15 kg	GHG 522 4407 R0001
		Plug	0.6 kg	GHG 522 7407 R0001
		Coupler	1.5 kg	GHG 522 3407 R0001
		Flange socket	0.5 kg	GHG 522 8407 R0001
		Inlet	0.32 kg	GHG 522 9407 R0001
600-690 V		Wall socket	1.0 kg	GHG 522 2405 R0001
		Wall socket with switch	2.15 kg	GHG 522 4405 R0001
		Plug	0.6 kg	GHG 522 7405 R0001
		Coupler	1.5 kg	GHG 522 3405 R0001
		Flange socket	0.5 kg	GHG 522 8405 R0001
		Inlet	0.32 kg	GHG 522 9405 R0001
Type 32 A 5-pole				
200-250 V		Wall socket	1.1 kg	GHG 522 2506 R0001
380-415 V		Wall socket with switch	2.25 kg	GHG 522 4506 R0001
Plug		0.65 kg	GHG 522 7506 R0001	
Coupler		1.6 kg	GHG 522 3506 R0001	
Flange socket		0.51 kg	GHG 522 8506 R0001	
Inlet		0.33 kg	GHG 522 9506 R0001	

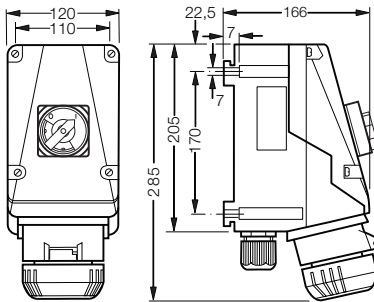
Other voltage ranges and versions available on request



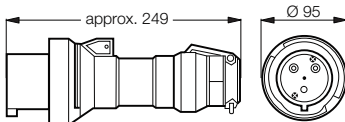
Dimension drawing



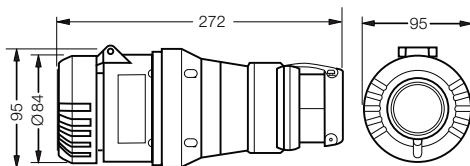
Wall socket 4-pole



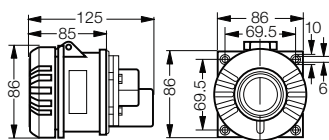
Wall socket with switch 4-pole



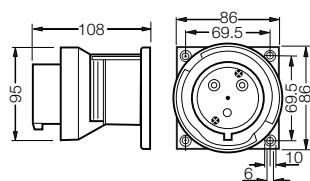
Plug 4-pole



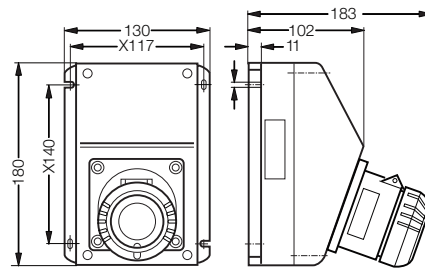
Coupler 4-pole



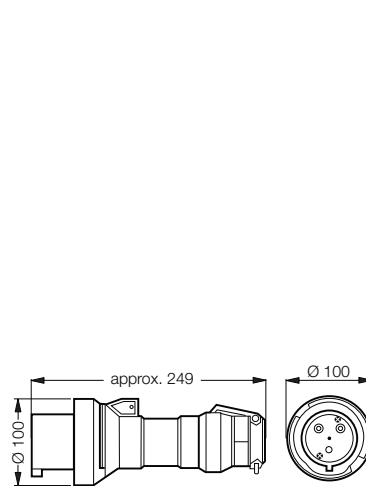
Flange socket 4-pole



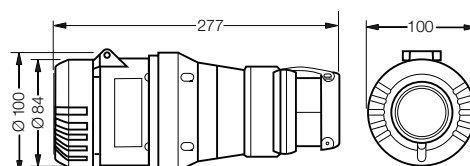
Inlet 4-pole



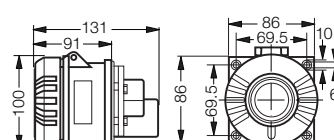
Wall socket 5-pole



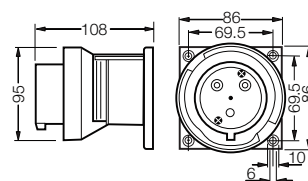
Plug 5-pole



Coupler 5-pole

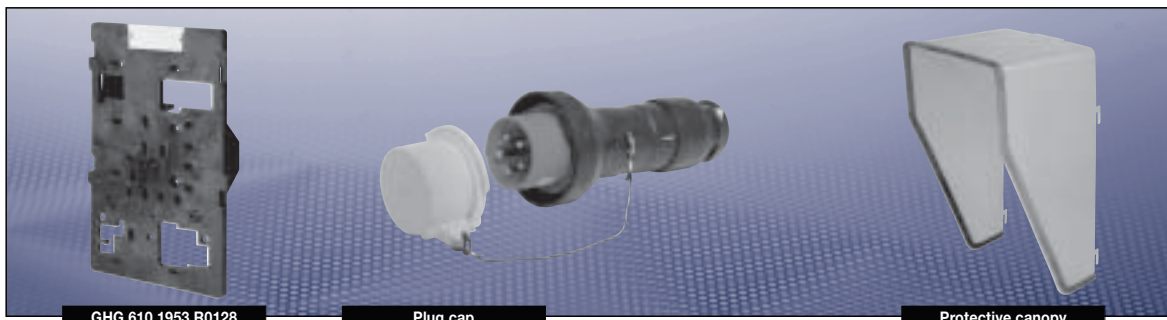


Flange socket 5-pole



Inlet 5-pole

Dimensions in mm

Industrial use: 32A 4-pole and 5-pole up to 415 V**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 mounting	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

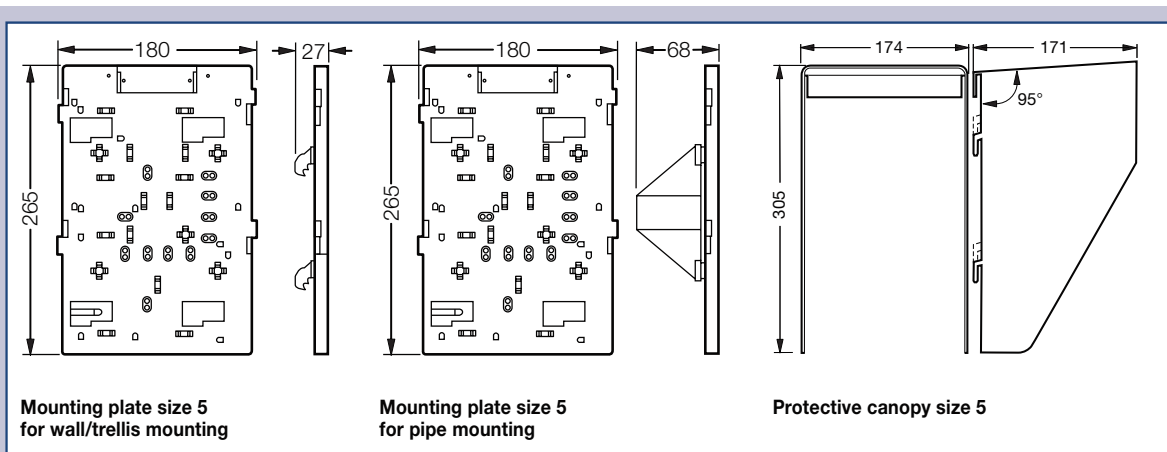
Accessories for mounting plates

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

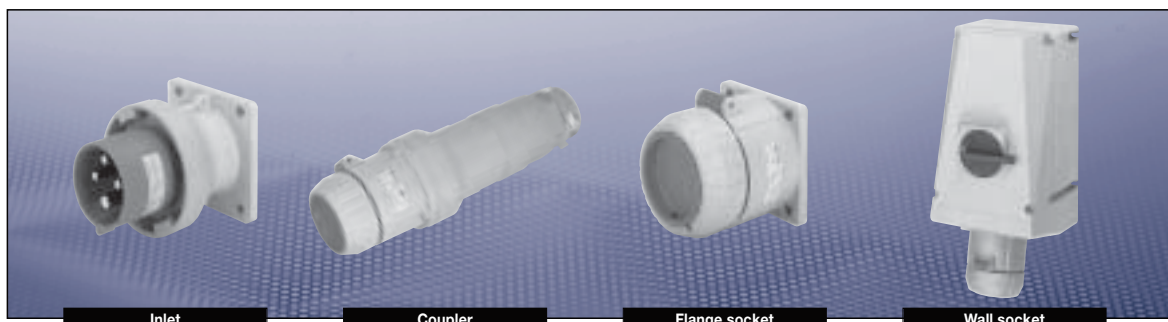
Please pay attention that only order units (OU) according to the ordering details can be delivered.

Protective canopy for mounting plate

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

Dimension drawing

Dimensions in mm



Technical data

Plugs and sockets – Industry accd. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 690 V
Rated current	up to 63 A
Frequency	50/60 Hz
Back-up fuse, max.	without therm. protection: 63 A
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket

Switching capacity AC-3 for wall socket with switch	500 V/58 A
Cable glands	1 x M50 Ø 22 - 35 mm, 1 x M50 thread plug plastic
Connecting terminals	2 x 4 – 25 mm ² with switch 2 x 4 – 35 mm ² without switch
Enclosure material	Glass-fibre reinforced polyester

Plug

Cable glands	Ø 19 - 34 mm
Connecting terminals	1 x 4 – 16 mm ²
Enclosure material	Polyamide

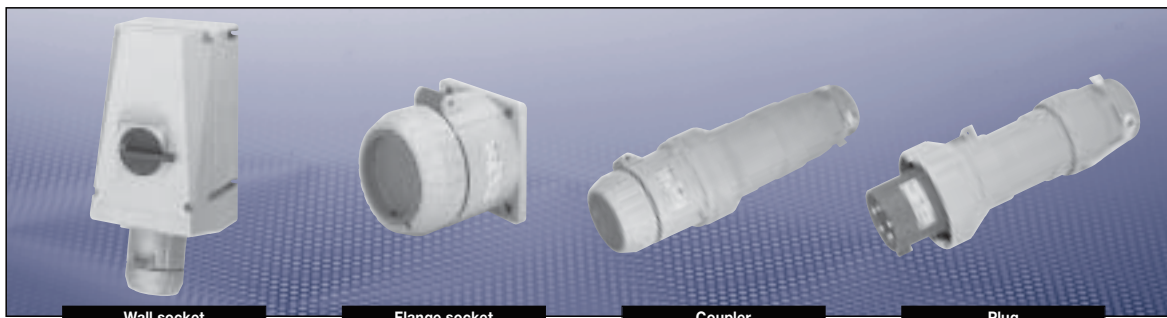
Coupler

Cable glands	Ø 19 - 34 mm
Connecting terminals	1 x 2.5 – 35 mm ²
Enclosure material	Polyamide

Flange socket/inlet

Connecting terminals	1 x 2.5 – 35 mm ²
Enclosure material	Polyamide

Industrial use: 63A 4-pole and 5-pole up to 690 V



Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 63 A 4-pole				
200-250 V		Wall socket with switch	5.5 kg	GHG 524 4409 R0001
		Plug	0.75 kg	GHG 524 7409 R0001
		Coupler	1.2 kg	GHG 524 3409 R0001
		Flange socket	1.3 kg	GHG 524 8409 R0001
		Inlet	0.9 kg	GHG 524 9409 R0001
380-415 V		Wall socket with switch	5.5 kg	GHG 524 4406 R0001
		Plug	0.75 kg	GHG 524 7406 R0001
		Coupler	1.2 kg	GHG 524 3406 R0001
		Flange socket	1.3 kg	GHG 524 8406 R0001
		Inlet	0.9 kg	GHG 524 9406 R0001
480-500 V		Wall socket with switch	5.5 kg	GHG 524 4407 R0001
		Plug	0.75 kg	GHG 524 7407 R0001
		Coupler	1.2 kg	GHG 524 3407 R0001
		Flange socket	1.3 kg	GHG 524 8407 R0001
		Inlet	0.9 kg	GHG 524 9407 R0001
600-690 V		Wall socket with switch	5.5 kg	GHG 524 4405 R0001
		Plug	0.75 kg	GHG 524 7405 R0001
		Coupler	1.2 kg	GHG 524 3405 R0001
		Flange socket	1.3 kg	GHG 524 8405 R0001
		Inlet	0.9 kg	GHG 524 9405 R0001

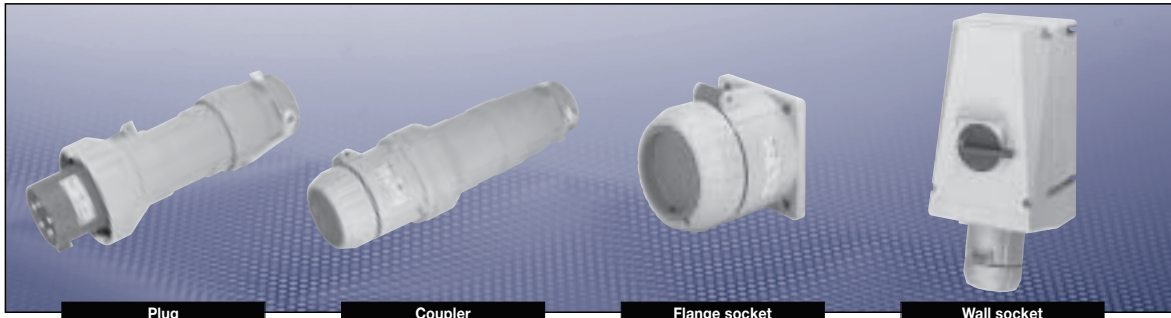
Type 63 A 5-pole				
200/250 V up to 380/415 V		Wall socket with switch	5.6 kg	GHG 524 4506 R0001
		Plug	0.8 kg	GHG 524 7506 R0001
		Coupler	1.3 kg	GHG 524 3506 R0001
		Flange socket	1.4 kg	GHG 524 8506 R0001
		Inlet	1.0 kg	GHG 524 9506 R0001

Other voltage ranges and versions available on request

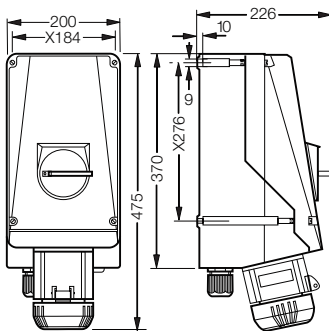
Accessories

Plug cap for plugs

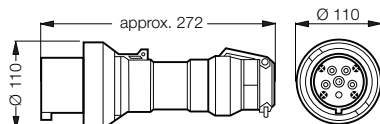
Type	Order No.
Plug cap 4-pole/5-pole	GHG 510 1901 R0006



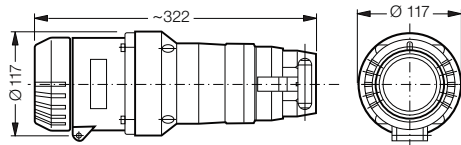
Dimension drawing | Wiring diagram



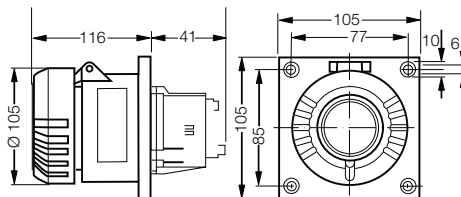
Wall socket 4-pole



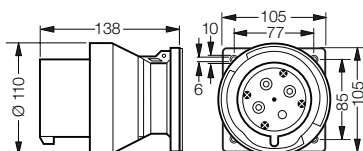
Plug 4-pole



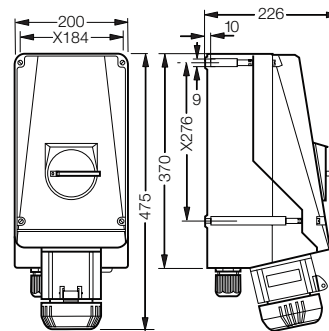
Coupler 4-pole



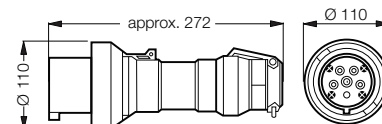
Flange socket 4-pole



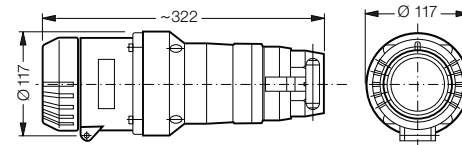
Inlet 4-pole



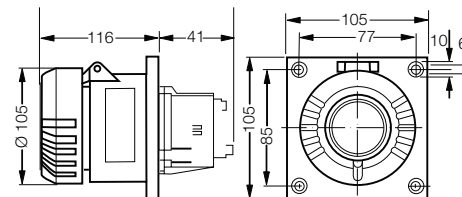
Wall socket 4-pole



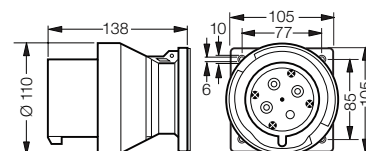
Plug 4-pole



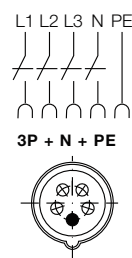
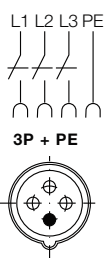
Coupler 4-pole



Flange socket 4-pole

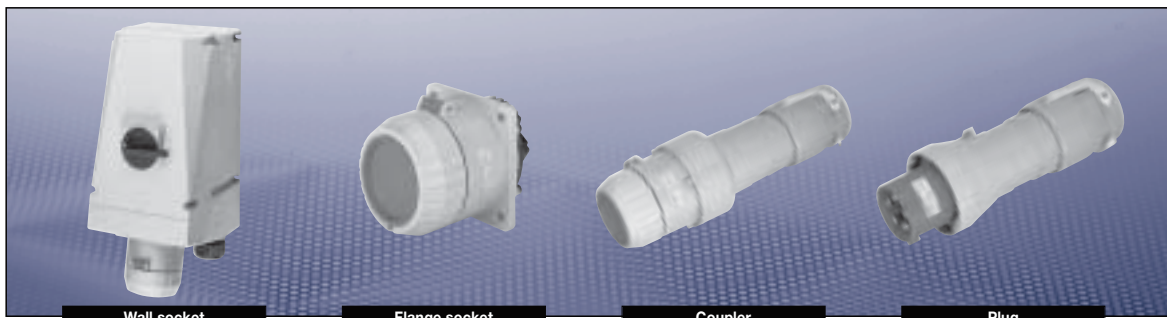


Inlet 4-pole



Dimensions in mm

| Industrial use: 125A 4-pole and 5-pole up to 690 V |



Wall socket

Flange socket

Coupler

Plug

Technical data

Plugs and sockets – Industry accd. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 690 V~
Rated current	up to 125 A
Frequency	50/60 Hz
Back-up fuse, max.	without therm. protection: 125 A
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket

Switching capacity AC-3 for wall socket with switch	500 V/70 A
Cable glands	1 x M63 Ø 27 - 48 mm, 1 x M63 thread plug plastic
Connecting terminals	2 x 10 – 70 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

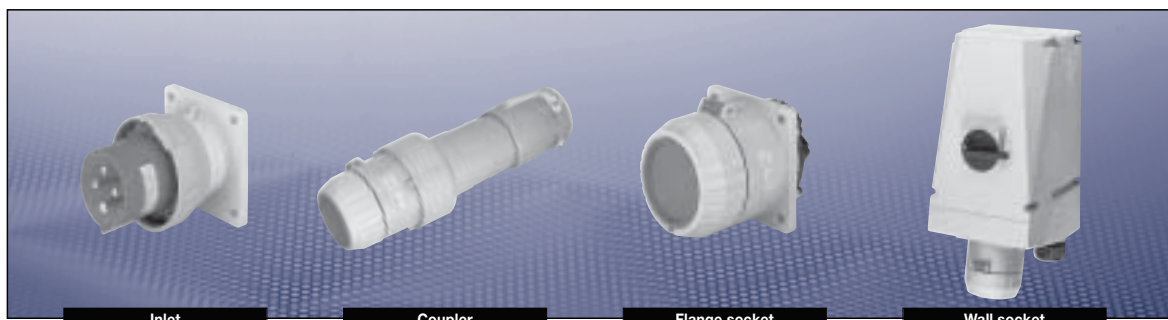
Cable glands	Ø 31 - 58 mm
Connecting terminals	1 x 2.5 – 35 mm ²
Enclosure material	Polyamide

Coupler

Cable glands	Ø 31 - 58 mm
Connecting terminals	1 x 16 – 35 mm ²
Enclosure material	Polyamide

Flange socket

Connecting terminals	1 x 2.5 – 35 mm ²
Enclosure material	Polyamide



Ordering details

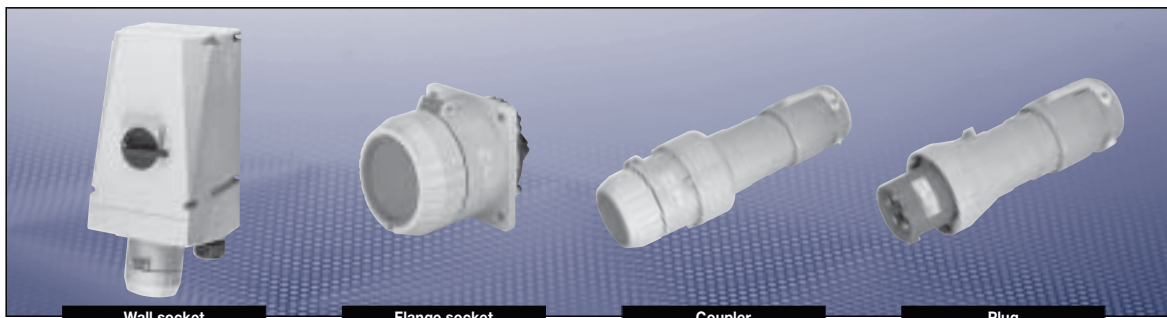
Voltage	h	Type	Weight approx.	Order No.
Type 125 A 4-pole				
200-250 V		Wall socket with switch	8.6 kg	GHG 525 4409 R0001
		Plug	1.3 kg	GHG 525 7409 R0001
		Coupler	2.1 kg	GHG 525 3409 R0001
		Flange socket	1.4 kg	GHG 525 8409 R0001
		Inlet	0.9 kg	GHG 525 9409 R0001
380-415 V		Wall socket with switch	8.6 kg	GHG 525 4406 R0001
		Plug	1.3 kg	GHG 525 7406 R0001
		Coupler	2.1 kg	GHG 525 3406 R0001
		Flange socket	1.4 kg	GHG 525 8406 R0001
		Inlet	0.9 kg	GHG 525 9406 R0001
480-500 V		Wall socket with switch	8.6 kg	GHG 525 4407 R0001
		Plug	1.3 kg	GHG 525 7407 R0001
		Coupler	2.1 kg	GHG 525 3407 R0001
		Flange socket	1.4 kg	GHG 525 8407 R0001
		Inlet	0.9 kg	GHG 525 9407 R0001
600-690 V		Wall socket with switch	8.6 kg	GHG 525 4405 R0001
		Plug	1.3 kg	GHG 525 7405 R0001
		Coupler	2.1 kg	GHG 525 3405 R0001
		Flange socket	1.4 kg	GHG 525 8405 R0001
		Inlet	0.9 kg	GHG 525 9405 R0001

Type 125 A 5-pole				
200-250 V		Wall socket with switch	8.8 kg	GHG 525 4506 R0001
380-415 V		Plug	1.4 kg	GHG 525 7506 R0001
		Coupler	2.2 kg	GHG 525 3506 R0001
		Flange socket	1.5 kg	GHG 525 8506 R0001
		Inlet	1.1 kg	GHG 525 9506 R0001

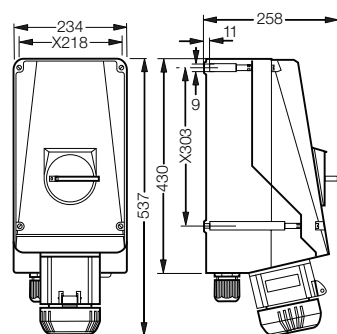
Other voltage ranges and versions available on request

Accessories

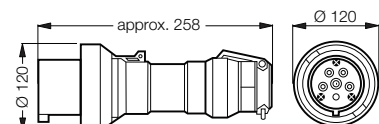
Plug cap for plugs	
Type	Order No.
Plug cap 4-pole/5-pole	GHG 510 1901 R0007



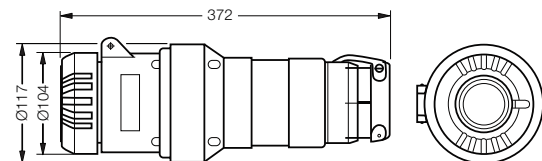
Dimension drawing | Wiring diagram



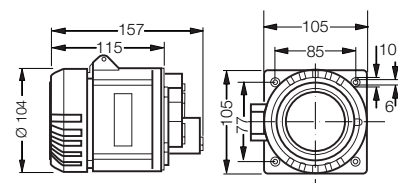
Wall socket 4-pole



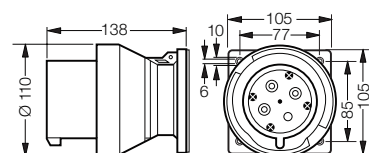
Plug 4-pole



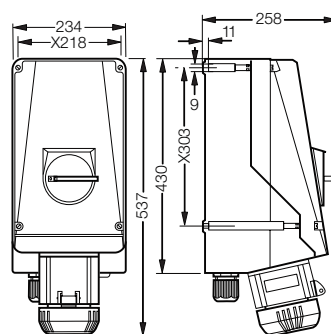
Coupler 4-pole



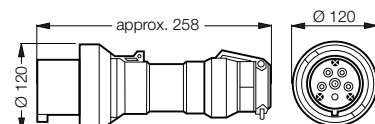
Flange socket 4-pole



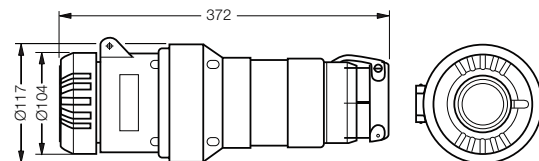
Inlet 4-pole



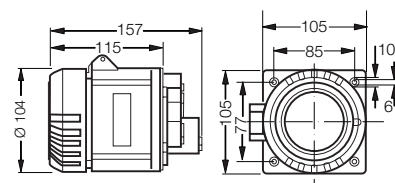
Wall socket 4-pole



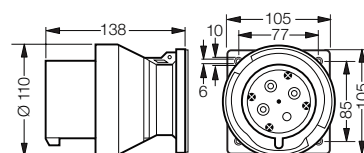
Plug 4-pole



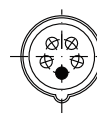
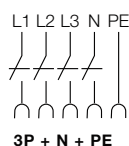
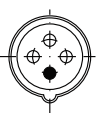
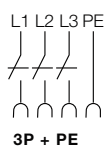
Coupler 4-pole



Flange socket 4-pole



Inlet 4-pole



Dimensions in mm

EX-REPAIR AND MAINTENANCE SOCKETS

16 A – 63 A
Plastic version for Zone 1

For maintenance, repair and upgrading work, appliances such as drills, welding transformers, hand grinders and such are needed but are not in accordance to the explosion-protection regulations.

To be able to use these appliances in the Zone 1, Zone 2, Zone 21 or Zone 22 explosion-protected areas a hot work permit has to be issued. For the duration of the repair or maintenance work, the environment has to be free of all explosive hazardous atmospheres.

The CEAG explosion-protected repair and maintenance sockets are in accordance to regulations that in parts require a stationary installation.

With the interlocking and lockable switch or the lockable cover the utilization of the repair and maintenance socket is selectively possible after a hot work permit has been issued.

The CEAG repair and maintenance sockets with and without an interlocking switch can be used with both industry and Ex-plugs.

Interlocked repair and maintenance sockets have an internal switch who prevents that a plug can be pulled out while power is on.

Repair and maintenance sockets without an interlocking switch have a red signal lamp on the top side of the housing showing the actual state of power.

International approvals



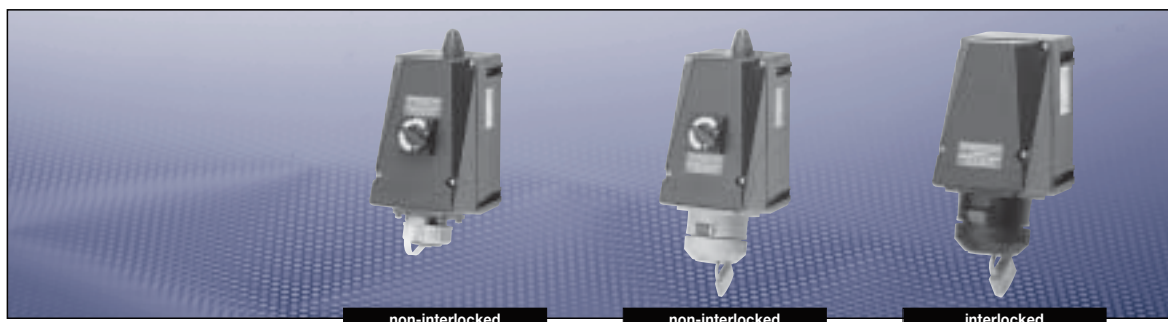
Cooper Crouse-Hinds © 2008 - all rights reserved

Commercially available industrial apparatus
can be used with a "hot work permit"

Sockets with lamellar contacts
for a secure connection

Switch and/or socket cover are lockable

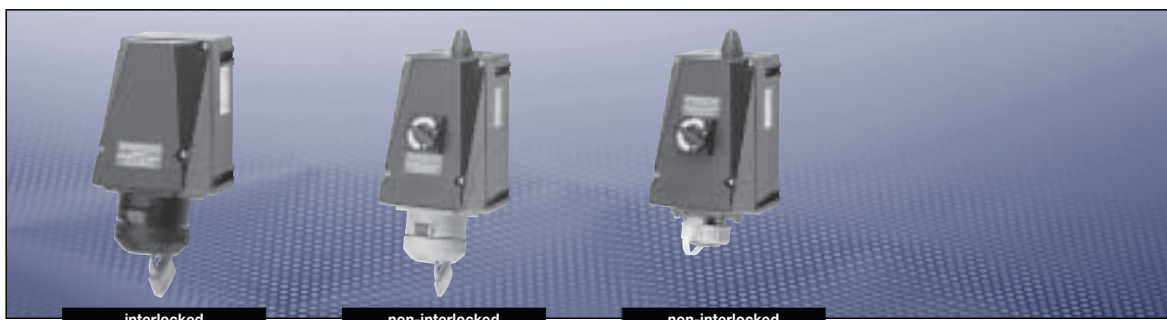
High mechanical, chemical and
thermal stability



Technical data

Ex-sockets accd. to IEC 60309-1/2	
Marking to 94/9/EC	II 2 G EEx ed IIC T6
EC-Type Examination Certificate	PTB 00 ATEX 1032 X
Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 440 V
Rated current	16 A
Frequency	50/60 Hz
Switching capacity AC-3	up to 415 V/16 A
Back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gL (rated current 16 A set to)
Insulation class	I
Degree of protection to EN 60529	IP66
Cable glands	1 x M25 Ø 8 - 17 mm, 1 x M25 Ex-thread plug plastic or 2 x metal thread M20 with Ex-screw plug plastic
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Glass-fibre reinforced polyester

Ex-Repair- and Maintenance: 16A 3-pole and 5-pole up to 415 V



Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type 16 A 3-pole, interlocked					
200-250 V		Wall socket	KU	1.1 kg	GHG 511 4306 R0901
		Wall socket	ME	1.2 kg	GHG 511 4306 R3901
		Wall socket	GM	1.2 kg	GHG 511 4306 R3902

Type 16 A 3-pole, non-interlocked					
200-250 V		Wall socket	KU	1.2 kg	GHG 511 4306 R0903
		Wall socket	ME	1.3 kg	GHG 511 4306 R3905
		Wall socket	GM	1.3 kg	GHG 511 4306 R3906

Type 16 A 2-pole, non-interlocked					
230 V		Wall socket	KU	1.2 kg	GHG 511 4306 R0902
		Wall socket	ME	1.3 kg	GHG 511 4306 R3903
		Wall socket	GM	1.3 kg	GHG 511 4306 R3904

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 16 A 5-pole, interlocked						
380-415 V		Wall socket	–	KU	1.6 kg	GHG 511 4506 R0901
		Wall socket	–	ME	1.7 kg	GHG 511 4506 R3901
		Wall socket	yes	KH	1.6 kg	GHG 511 4506 R0903

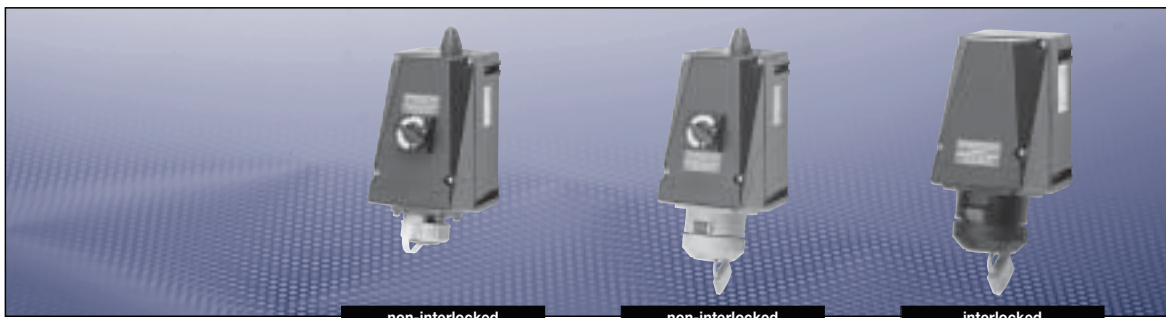
Type 16 A 5-pole, non-interlocked						
380-415 V		Wall socket	–	KU	1.8 kg	GHG 511 4506 R0902
		Wall socket	–	ME	1.9 kg	GHG 511 4506 R3902
		Wall socket	yes	KH	1.8 kg	GHG 511 4506 R0904

GM = 2 x metal thread M20 without cable gland/thread plug with protective earth

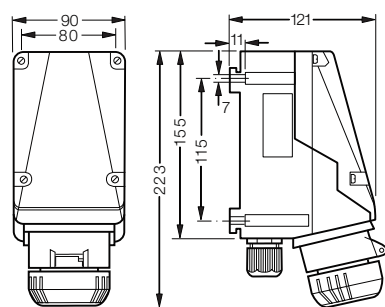
KU = 1 x plastic cable glands M25, 1 x M25 Ex-thread plug plastic

ME = 2 x metal thread M20 with Ex-thread plug plastic

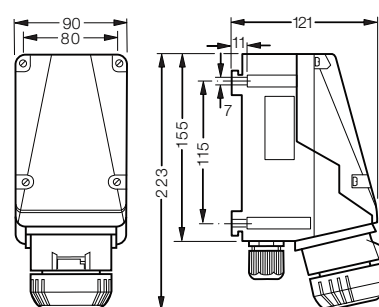
KH = 2 x plastic cable glands M25 Ø 8 - 17 mm, with auxiliary contact, 1 x NO



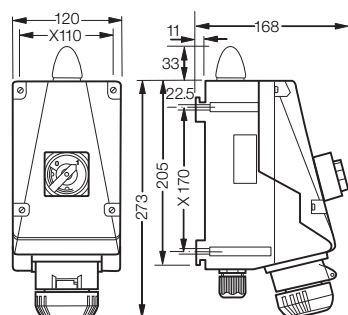
Dimension drawing | Wiring diagram



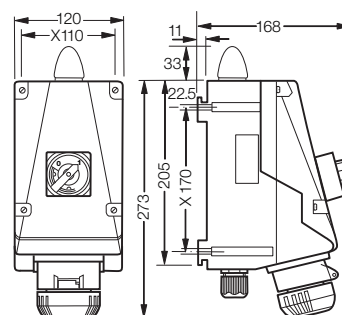
Wall socket interlocked 3-pole



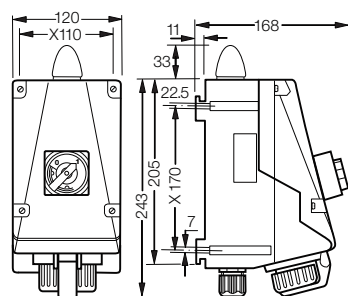
Wall socket interlocked 5-pole



Wall socket non-interlocked 3-pole

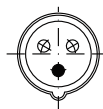


Wall socket non-interlocked 5-pole

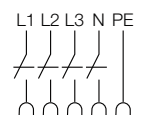


Wall socket non-interlocked with earthing contact 3-pole

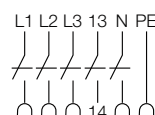
non-interlocked
with earthing contact



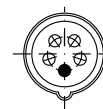
without
auxiliary contact



with
auxiliary contact

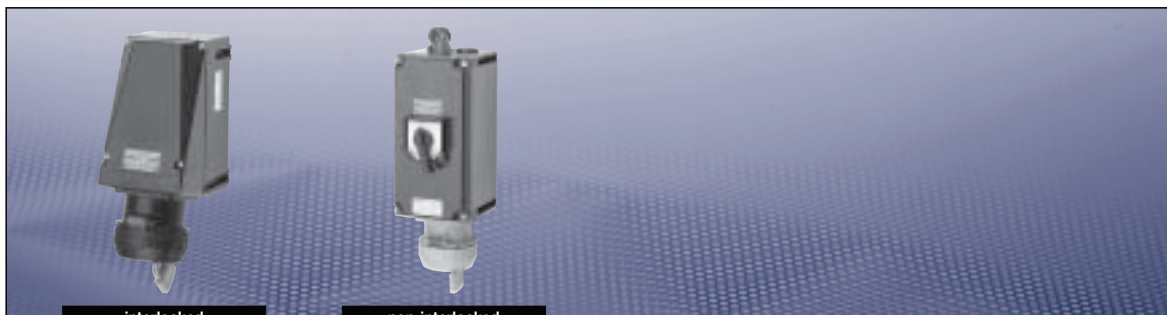


3 P + N + PE



Dimensions in mm

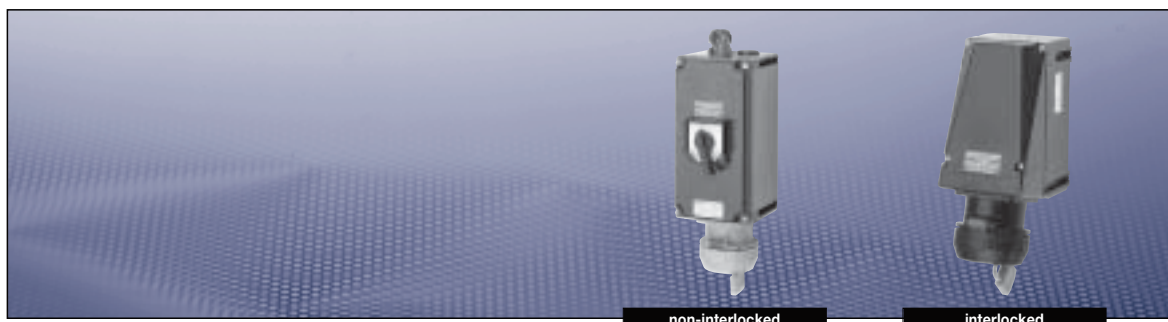
| Ex-Repair- and Maintenance: 32A 5-pole up to 415 V |



Technical data

Ex-sockets accd. to IEC 60309-1/2

Marking to 94/9/EC	II 2 G EEx ed IIC T6
EC-Type Examination Certificate	PTB 00 ATEX 1032 X
Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 440 V~
Rated current	32 A
Frequency	50/60 Hz
Switching capacity AC-3	up to 440 V~/32 A
Back-up fuse, max.	without therm. protection: 35 A with therm. protection: 50 A gL (rated current 32 A set to)
Insulation class	I
Degree of protection to EN 60529	IP66
Cable glands	1 x M40 Ø 17 - 28 mm, 1 x M40 Ex-thread plug plastic or 2 x metal thread M32 with Ex-screw plug plastic
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	Glass-fibre reinforced polyester

Ex-Repair- and Maintenance: 32A 5-pole up to 415 V**Ordering details**

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 32 A 5-pole, interlocked						
380-415 V		Wall socket	–	KU	2.3 kg	GHG 512 4506 R0901
		Wall socket	–	ME	2.4 kg	GHG 512 4506 R3901
		Wall socket	yes	KH	2.3 kg	GHG 512 4506 R0903
Type 32 A 5-pole, non-interlocked						
380-415 V		Wall socket	–	KU	1.8 kg	GHG 512 4506 R0904
		Wall socket	–	ME	1.9 kg	GHG 512 4506 R3902
		Wall socket	yes	KH	1.8 kg	GHG 512 4506 R0905

GM = 2 x metal thread M20 without cable gland/thread plug with protective earth

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

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

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

1 x plastic cable glands M25 Ø 8-17 mm

Dimension drawing | Wiring diagram

Wall socket interlocked 5-pole

Wall socket non-interlocked 5-pole

Type: interlocked without auxiliary contact with auxiliary contact

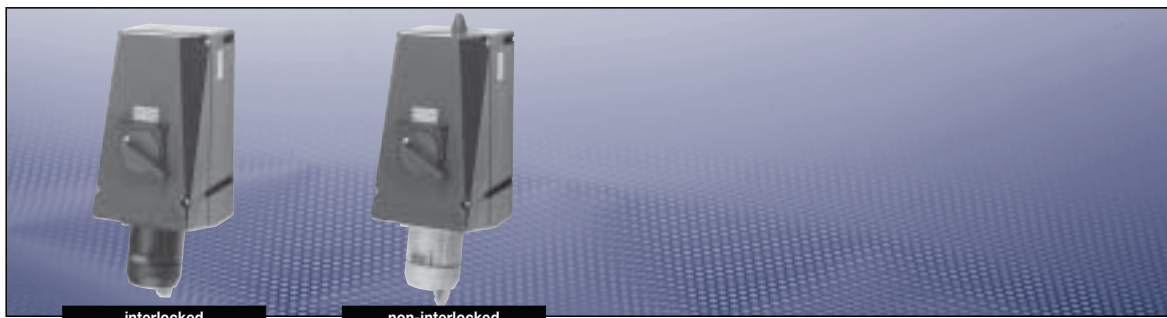
L1 L2 L3 N PE

L1 L2 L3 13 N PE

3 P + N + PE

Dimensions in mm

Ex-Repair- and Maintenance: 63A 5-pole up to 415 V

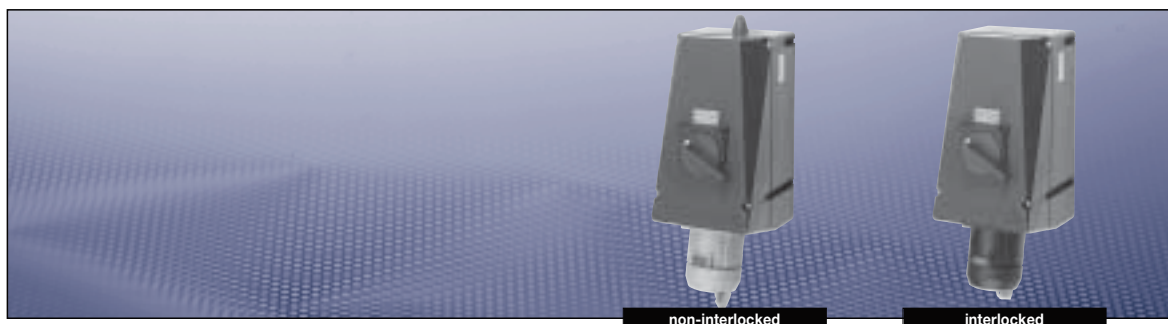


Technical data

Ex-sockets accd. to IEC 60309-1/2

Marking to 94/9/EC	II 2 G EEx ed IIC T6
EC-Type Examination Certificate	PTB 00 ATEX 1032 X
Permissible ambient temperature	-20°C to +40°C
Rated voltage	up to 440 V~
Rated current	32 A
Frequency	50/60 Hz
Switching capacity AC-3	up to 440 V~/32 A
Back-up fuse, max.	without therm. protection: 35 A with therm. protection: 50 A gL (rated current 32 A set to)
Insulation class	I
Degree of protection to EN 60529	IP66
Cable glands	1 x M50 Ø 22 - 35 mm, 1 x M50 Ex-thread plug plastic or 2 x metal thread M40 with Ex-thread plug plastic
Connecting terminals	2 x 4 - 25 mm²
Enclosure material	Glass-fibre reinforced polyester

Ex-Repair- and Maintenance: 63A 5-pole up to 415 V



Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 63 A 5-pole, interlocked						
380-415 V		Wall socket	–	KU	8.1 kg	GHG 514 4506 R0901
		Wall socket	–	ME	8.3 kg	GHG 514 4506 R3901
		Wall socket	yes	KH	8.1 kg	GHG 514 4506 R0903
Type 63 A 5-pole, non-interlocked						
380-415 V		Wall socket	–	KU	8.1 kg	GHG 514 4506 R0904
		Wall socket	–	ME	8.3 kg	GHG 514 4506 R3902
		Wall socket	yes	KH	8.1 kg	GHG 514 4506 R0905

125 A and other versions on request

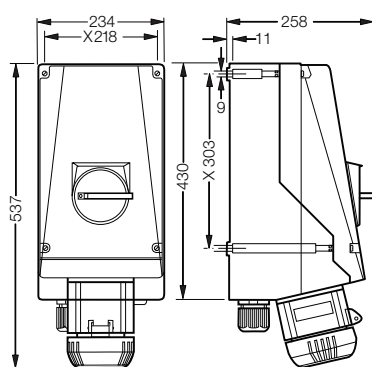
KU = 1 x plastic cable glands M50 Ø 22-35 mm, 1 x M50 Ex-thread plug plastic

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

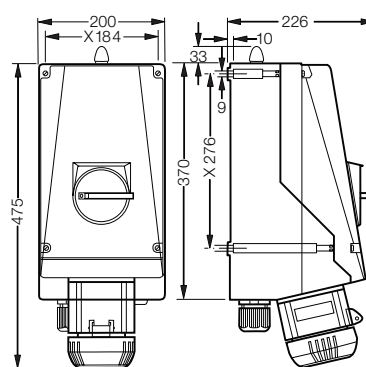
KH = 1 x plastic cable glands M50 Ø 22-35 mm,

1 x plastic cable glands M25 Ø 8-17 mm, with auxiliary contact, 1 x NO

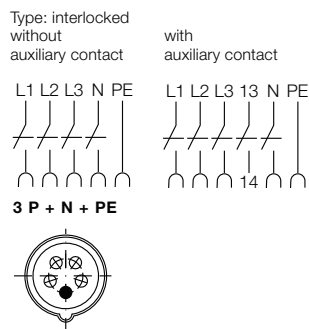
Dimension drawing | Wiring diagram



Wall socket interlocked 5-pole



Wall socket non-interlocked 5-pole



Dimensions in mm

EX-REPAIR AND MAINTENANCE SOCKET DISTRIBUTION

**40 A and 80 A
Plastic version for Zone 1**

For maintenance, repair and upgrading work, appliances such as drills, welding transformers, hand grinders and such are needed but are not in accordance to the explosion-protection regulations.

To be able to use these appliances in the Zone 1 or Zone 2 explosion-protected areas a hot work permit has to be issued. For the duration of the repair or maintenance work, the environment has to be free of all explosive hazardous atmospheres.

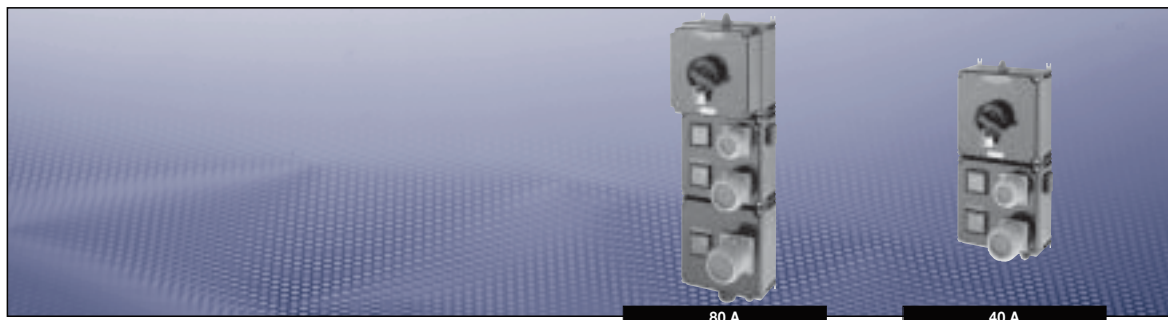
The CEAG explosion-protected repair and maintenance socket distributions are in accordance to regulations that in parts require a stationary installation. With the interlocking and lockable switch the utilization of the repair and maintenance socket distributions is selectively possible after a hot work permit has been issued.

All sockets are equipped with high quality switches and have separate RCD's. Repair and maintenance sockets have a red signal lamp on the top side of the housing showing the actual state of connection.

International approvals

- Commercially available industrial apparatus can be used with a "hot work permit"
- Sockets with lamellar contacts for secure connection
- Lockable switch with all-pole switching and AC-3 motor switching ability
- High mechanical, chemical and thermal stability





Technical data

Repair socket distributions

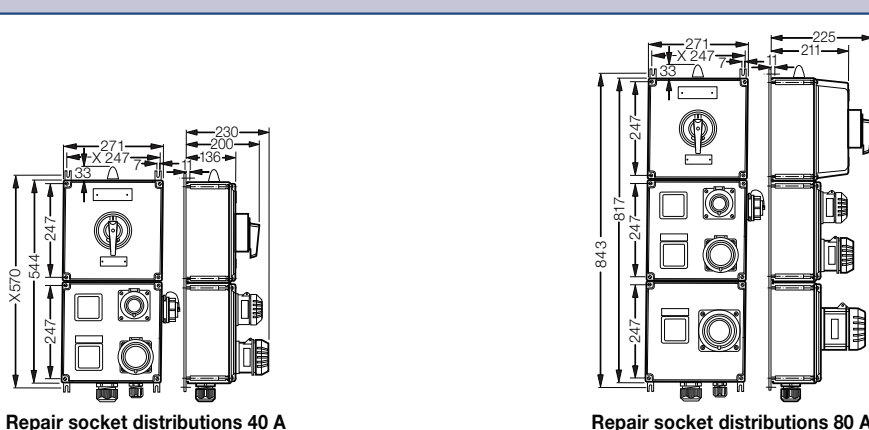
Marking to 94/9/EC	Ex II 2 G EEx ed IIC T6
EC-Type Examination Certificate	PTB 00 ATEX 1100 X
Permissible ambient temperature	-55 °C to +55 °C (40 A) / -36 °C to +55 °C (80 A)
Rated voltage	up to 420 V (40 A) / 500 V (80 A)
Rated current	40 A / 80 A
Frequency	50 - 60 Hz
Switch	AC3: 40 A switch 420 V: 40 A / 80 A switch 500 V: 80 A
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure material	Glass-fibre reinforced polyester
Enclosure colour	Black

Ordering details

Number of components	Contact arrangement	Order No.
1 switch, 4-pole, 40 A; 1 IEC 60309-socket, 16 A 1 power circuit breaker, 3-pole, 16 A, 1 IEC 60309-socket, 32 A 1 power circuit breaker, 3-pole, 32 A, 1 earthed socket 16 A 1 power circuit breaker, 1-pole, 16 A, 1 signal lamp 1 Cable entry M40 Ø 17 - 28 mm 1 Cable entry M25 Ø 8 - 17 mm Weight: 8.5 kg		GHG 981 0042 R0001
1 switch, 4-pole, 80 A 1 Fi-earth leakage circuit breaker, 63 A, 1 IEC 60309-socket, 16 A 1 power circuit breaker, 3-pole, 16 A, 1 IEC 60309-socket, 32 A 1 power circuit breaker, 3-pole, 32 A, 1 signal lamp 1 IEC 60309-socket, 63 A; 1 earthed socket 16 A 1 power circuit breaker, 1-pole, 16 A 1 Cable entry M50 Ø 22 - 35 mm 1 Cable entry M25 Ø 8 - 17 mm Weight: 15 kg		GHG 981 0043 R0001

Other types on request / Customer specifications on request

Dimension drawing | Wiring diagram



Repair socket distributions 40 A

Repair socket distributions 80 A

Dimensions in mm

PORTABLE MULTI-OUTLET DISTRIBUTIONS AND CABLE REELS

16 A and 32 A

Electrical equipment, such as pumps, scales, etc. can be used flexibly in areas of Zone 1 and Zone 2 that are at risk of explosions, they can be safely supplied with energy by means of portable CEAG multi-outlet distribution units or cable reels.

The multi-outlet distribution units are equipped with flange-mounting socket outlets that even comply with the high degree of protection IP66 when they are plugged in.

This means that this distribution units are also suitable for use in the harshest industrial conditions.

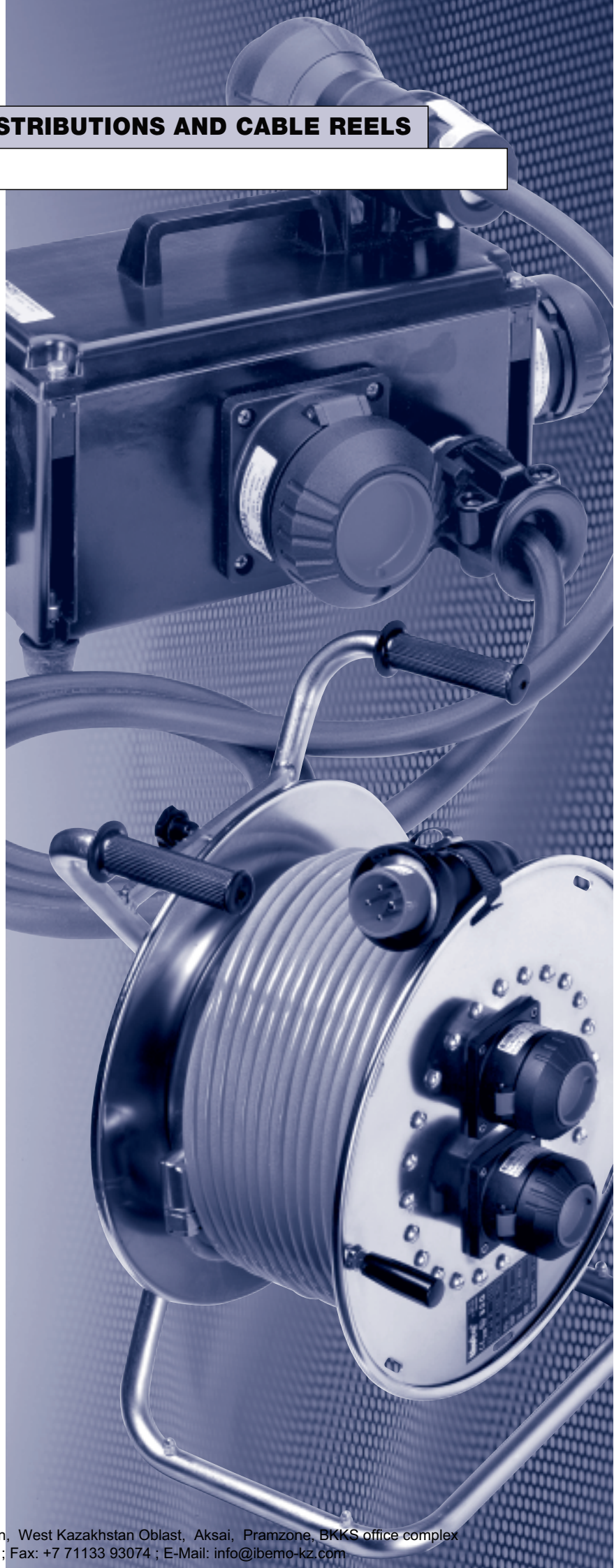
The portable, explosion-protected cable reels can be used to supply electricity flexibly to portable electrical equipment to areas of Zone 1 and Zone 2 that are at risk of explosions. Furthermore, the cable drum can be used as a multiple socket outlet. Different combinations of plugs and sockets allow variable deployments. The cable drum with a stainless steel housing comprises up to three explosion-protected flange-mounting socket outlets as well as the wound cable with a plug. One bolt each for inner and outer connection to the side wall are also welded on for connection to the protective conductor or equipotential bonding conductor. Optionally, the cable reel can also be supplied with conductive reels.

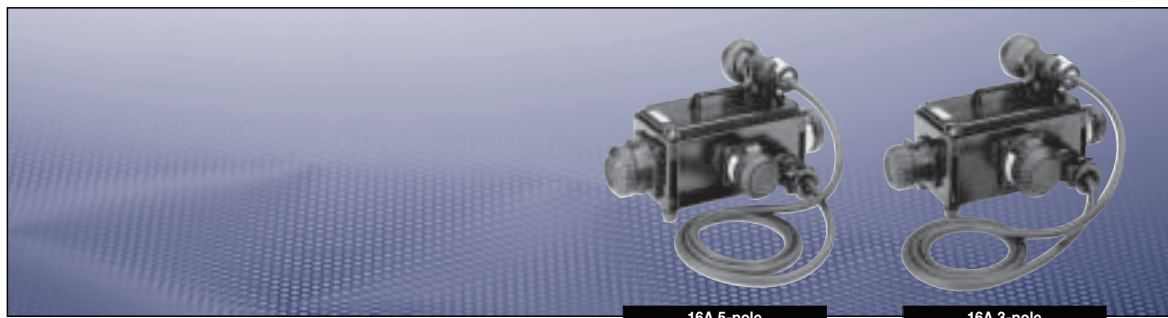
A version of all-rubber design for use in harsh areas offers various applications. The small design gives best opportunities to be stored in operation vehicles or container.

All portable distributions are for use by:

- fire brigades
- civil defence
- rescue services
- police

- **Portable distribution of electricity via sockets in the area at risk of explosions with high degree of protection IP66**
- **Mechanical, chemical and thermal resistance**
- **Variable socket combinations**

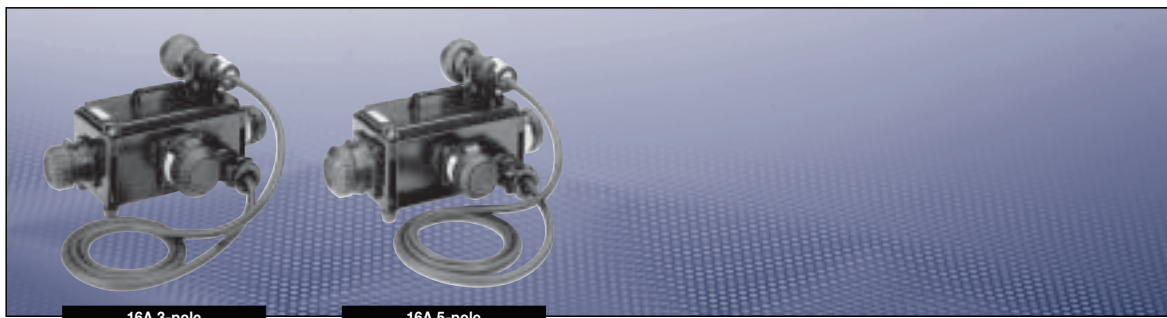




Technical data

16A 3-pole 16A 5-pole	
Marking to 94/9/EC	Ⓔ II 2 G EEx ed IIC T6
EC-Type Examination Certificate	PTB 02 ATEX 1035
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	3-pole 16 A: to 500 V / 5-pole 16 A: to 400 V / 3-4-5 pole 32 A: up to 690 V
Rated current	16 A/32 A
Frequency	50/60 Hz
Switch rating	AC 3
Back up fuse	without thermal protection: 16 A with thermal protection: 25 A gL (rated current 16 A set to)
Degree of protection accd. EN 60529	IP66
Cable glands/enclosure drilling	Trumpet shaped cable gland M32
Weight	with 2 m connecting cable: 4.2 kg / with 5 m connecting cable 5.2 kg
Enclosure material	Socket distribution: Glass-fibre reinforced polyester Plug and flange socket: polyamide
Enclosure colour	Black

Ex-Portable outlet distribution: 16A 3-pole, 5-pole

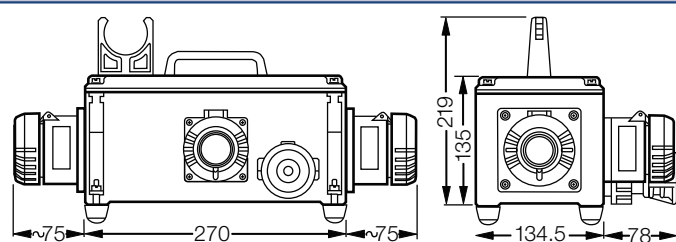


Ordering details

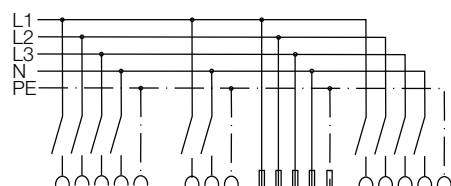
Design	Version	Order No.
Type design with 2 m connecting cable		
2 x socket 16 A	3-pole	GHG 931 0003 R0011
1 x socket 16 A	5-pole	
1 x socket 16 A	3-pole	GHG 931 0003 R0012
2 x socket 16 A	5-pole	
3 x socket 16 A	3-pole	GHG 931 0003 R0013
Type design with 5 m connecting cable		
2 x socket 16 A	3-pole	GHG 931 0003 R0021
1 x socket 16 A	5-pole	
1 x socket 16 A	3-pole	GHG 931 0003 R0022
2 x socket 16 A	5-pole	
3 x socket 16 A	3-pole	GHG 931 0003 R0023

Other configurations on request.

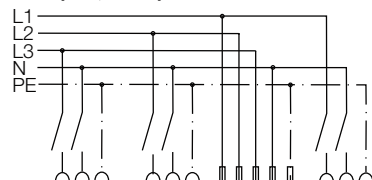
Dimension drawing | Wiring diagram



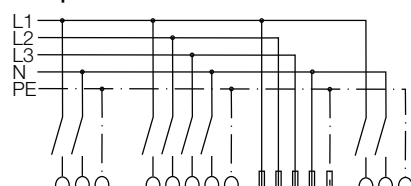
Socket distribution 16A 3-pole/5-pole



2 x 5-pole, 1 x 3-pole



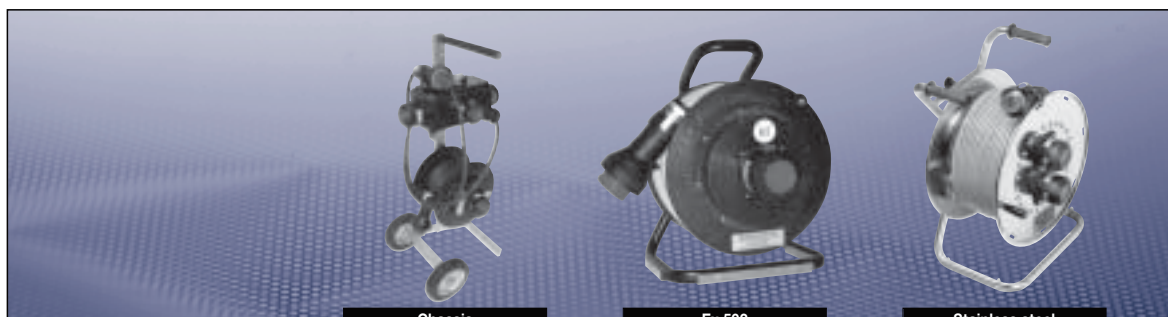
3 x 3-pole



2 x 3-pole, 1 x 5-pole

Dimensions in mm

| Ex-Cable reel: 16A 3- and 5-pole, 32A 4- and 5-pole |



Technical data

	Stainless steel	Ex 502
Marking to 94/9/EC	II 2 G EEx ed IIC T6	II 2 G EEx ed IIC T6
EC-Type Examination Certificate	PTB 01 ATEX 1116	PTB 03 ATEX 1186
Permissible ambient temperature	-20 °C ... +40 °C	-20 °C ... +40 °C
Rated voltage	3-pole; up to 415 V 5-pole; up to 500 V (690 V to 5 h)	up to 690 V, dept. to version
Rated current	16 A/32 A	16 A
Frequency	50/60 Hz	50/60 Hz
Max. load		reeled: 3 x 2.5 mm ² max. 1000 W/230 V/ unreeled 3600 W/230 V reeled: 5 x 2.5 mm ² max. 4800 W/230 V/ unreeled 11000 W/230 V
Back up fuse	without thermal protection: 16 A with thermal protection: 25 A gL (rated current 16 A set to)	
Insulation class	I	II
Degree of protection accd. EN 60529	IP54	IP54
Weight	16 A with 20 m connecting cable approx. 22 - 30 kg design depending / 32 A with 20 m connecting cable approx. 28 - 50 kg design depending	approx. 13 kg depend on version
Enclosure material	Cable reel: enclosure stainless steel Plug and flange socket: polyamide	Cable reel: all rubber material Plug and flange socket: polyamide

Ordering details

Design	Version	Order No.
Stainless steel 16 A design with 20 m connecting cable		
1 x Flange socket 16 A 3-pole		
1 x Flange socket 16 A 5-pole	5 x 2.5 mm ²	GHG 931 0003 R0031
3 x Flange socket 16 A 3-pole	3 x 2.5 mm ²	GHG 931 0003 R0032
2 x Flange socket 16 A 5-pole	5 x 2.5 mm ²	GHG 931 0003 R0033
Stainless steel 16 A design with 20 m connecting cable		
2 x Flange socket 32 A 4-pole	4 x 4 mm ²	GHG 931 0003 R0034
2 x Flange socket 32 A 5-pole	5 x 4 mm ²	GHG 931 0003 R0035
1 x Flange socket 16 A 5-pole		
1 x Flange socket 32 A 5-pole	5 x 4 mm ²	GHG 931 0003 R0036
All rubber type 502		
502 Ex 200 - 250 V, 16 A 3-pole, 6 h (1P, N, PE)	50 m, 3 x 2.5 mm ²	GHG 931 0004 R0001
502 Ex 200 - 250 V, 16 A 3-pole, 6 h (1P, N, PE)	30 m, 3 x 2.5 mm ²	GHG 931 0005 R0001
502 Ex 380 - 415 V, 16 A, 5-pole, 6 h (3P, N, E)	30 m, 5 x 2.5 mm ²	GHG 931 0006 R0001
Chassis, blank	for cable reel 502 Ex and portable distribution	GHG 931 0007 R0001

Other design and cable length on request.