



Electrical connectivity





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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.

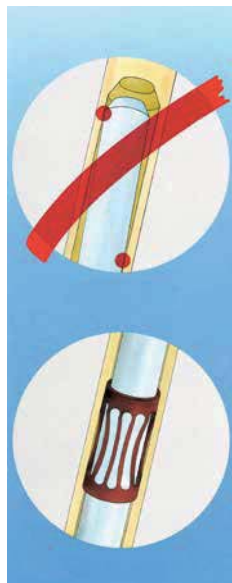
Even more requirements have been taken into account while designing and manufacturing connectivity products for use in hazardous areas.

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 & receptacles GHG 5...** will serve most of the upcoming market requirements.

Crouse-Hinds Series: Always a reliable contact

The principal feature is the pin and sleeve contact point. It determines the overall quality of the plug and receptacle system; special designed contacts mean low insertion and withdrawal forces, reliable contact-making, low transition resistances and low thermal loads. The explosion protection stands and falls with these features.

The self-cleaning Ex-e multi-contact



The self-cleaning Ex-e multicontact connections are made of louver-like punched and specially treated copper beryllium band. A large number of contact points ensure a perfect and durable electrical connection with low insertion and withdrawal forces – and this has been the case for decades, since this kind of contact technique has been standard at CEAG products since 1985.

Corrosion, no thank you!

Electrical equipment in the off-shore area is often strongly attacked by aggressive chemicals or salt water.

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

Short circuit protection

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

Switching under full capacity

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

Well connected

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

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.

CEE plugs and receptacles

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

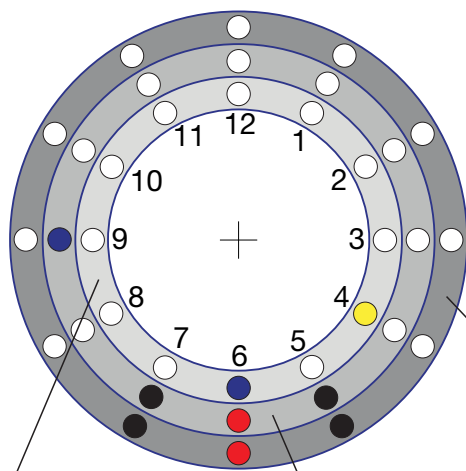
"IEC" stands for "INTERNATIONAL ELECTRICAL COMMISSION".

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

High ingress protection

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

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



Ground pin location

Number of pins (P = Power, N = Neutral, PE = Earth or Ground)

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

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

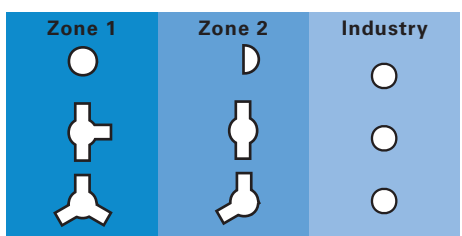
Overview Ex-plugs and receptacles

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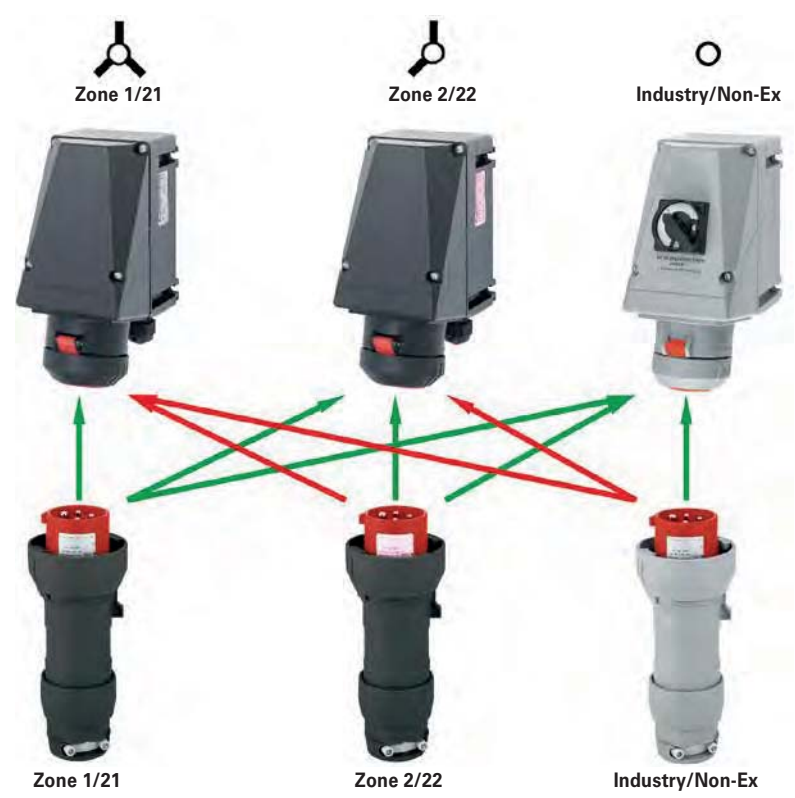


The key to safety

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



Coding of the plugs and receptacles



↑ possible ↑ not possible

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



What is eXLink?

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

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

A solution for every environment

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

• **Moulded plastic**

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

• **Nickel-plated brass**

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

• **AISI 316L stainless steel**

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

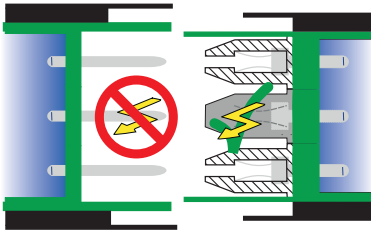
• **Option for the connection of armoured cables:**

In order to be able to provide a solution for the connection of armoured, braided or screened cables, we have developed a metal version with a universal armoring 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?



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Components

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

- **Plug:**

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



- **Connector:**

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



- **Receptacle:**

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



- **Inlet:**

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



- **Elbow:**

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



- **Locking device:**

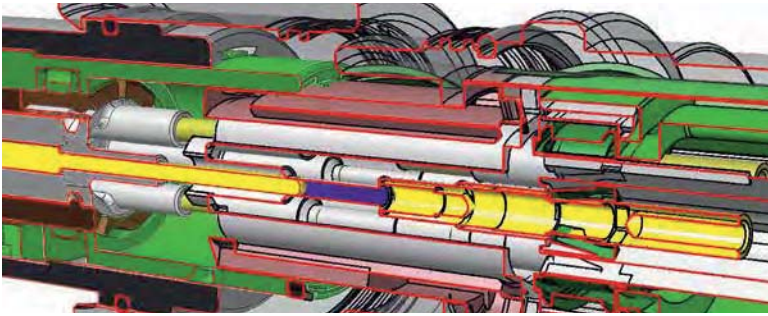
A two-part system which, when **eXLink** is installed on the connector/inlet, plug/receptacle or connector/plug, allows a padlock to be attached to prevent **eXLink** from being disconnected by unauthorised person.



- **eXLink Mining:**

eXLink Mining is a separate approved connecting and disconnecting electrical equipment for use in fire-damp environment in underground mining – without tools. With connectors for armoured cables approved for operation in areas where there is danger of fire damp you can connect lamps, indicators, sensors, motors etc. with a current consumption of up to 16 A easily by plugging.





Function

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

Coding

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

3-/4-pole:

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

6+1-pole:

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

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

Connection types

The **eXLink** is available in two connection types:

• **Crimp connection**

The conductors are crimped directly into the contact pins. The crimp connection is suitable for all cables from 0.25 mm² - 0.5 mm², 0.75 mm² - 1.5 mm² or in a third version for 2.5 mm².

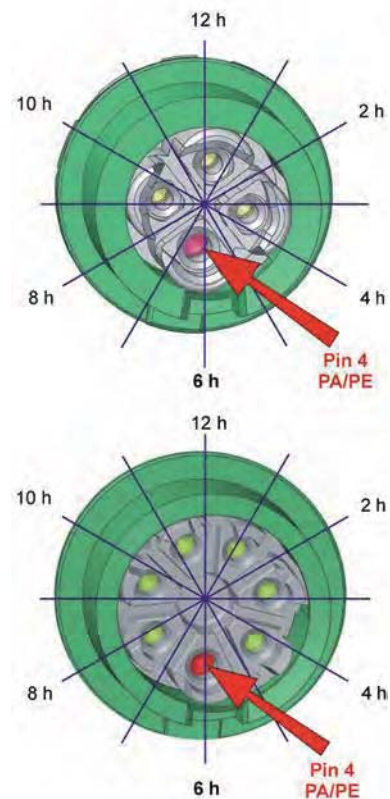
Smaller cables can be soldered.

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

Extended ambient temperature range

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



1.1

GHG 51 Ex-Plugs and Receptacles 10 - 125 A

1 Plastic version for Zone 1, 2, 21 and 22

A good connection

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

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

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

CEAG plugs and receptacles offer more, apart from the proven technology, this product series is defined by its innovative details. For example, the very efficient cable strain relief or the coding system of the various versions offers different solutions for a secure and problem free utilization in all areas. Just to round the product off, the user in the normal industrial sector becomes exactly the same product advantages.

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

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

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



Features

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



Wall socket



Flange socket



Coupler



Plug

Technical data

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

Marking accd. to 2014/34/EU	Wall socket, plug and coupler: $\text{Ex de [ia] IIC T6/T5}$ / Flange socket: Ex db eb IIC
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1039 Flange socket: BVS 14 ATEX E 131 U
IECEx Certificate of Conformity	Wall socket, plug and coupler: IECEx BK1 04.0002 / Flange socket: IECEx BVS 14.0089U
Marking accd. to IECEx	Wall socket, plug and coupler: Ex ed [ia] IIC T6/T5 / Flange socket: Ex de IIC Gb
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	up to 50 V
Rated current	16 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_e 50 V / I_e 16 A
External back-up fuse, max.	without therm. protection: 16 A / with therm. protection: 35 A
Degree of protection accd. to EN 60529	IP54 (IP 66 optional)

Wall socket

Cable entry	1 x M25 cable gland, 1 x M25 plastic Ex-screw plug (bottom) or 2 x metal thread M20 with screw plug plastic
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

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

Coupler

Cable entry	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

Details for used cable glands see pages 2.3.ff

Ex-plugs and receptacles 16 A 2/3-pole up to 50 V

1



Plug



Coupler







Flange socket



Wall socket

Ordering details

Voltage	h	Type	Cable gland	Weight approx.	Order No.
Type 2-pole low voltage					
≤ 24 V	 no aux. keyway	Wall socket	M25 KU	1.2 kg	GHG 513 4200 R0001
		Flange socket		0.4 kg	GHG 542 5200 V0000
		Coupler		0.7 kg	GHG 513 3200 R0001
		Plug		0.35 kg	GHG 542 2200 V0000
42 V	 12 h	Wall socket	M25 KU	1.2 kg	GHG 513 4212 R0001
		Flange socket		0.4 kg	GHG 542 5212 V0000
		Coupler		0.7 kg	GHG 513 3212 R0001
		Plug		0.35 kg	GHG 542 2212 V0000
Type 3-pole low voltage					
≤ 24 V	 no aux. keyway	Wall socket	M25 KU	1.2 kg	GHG 513 4300 R0001
		Flange socket		0.4 kg	GHG 542 5300 V0000
		Coupler		0.7 kg	GHG 513 3300 R0001
		Plug		0.35 kg	GHG 542 2300 V0000
42 V	 12 h	Wall socket	M25 KU	1.2 kg	GHG 513 4312 R0001
		Flange socket		0.4 kg	GHG 542 5312 V0000
		Coupler		0.7 kg	GHG 513 3312 R0001
		Plug		0.35 kg	GHG 542 2312 V0000

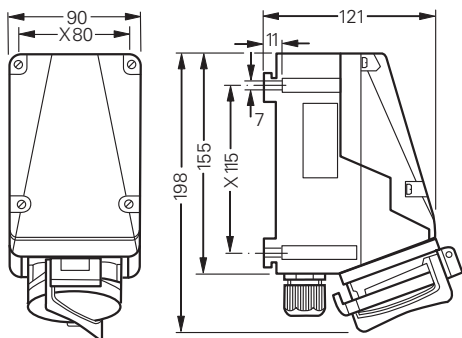
Other voltage ranges and versions available on request

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

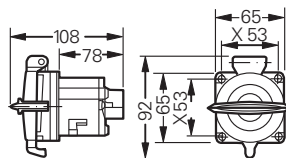
Accessories

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

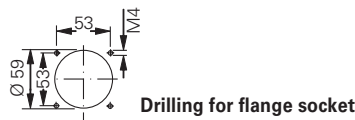
Dimension drawing



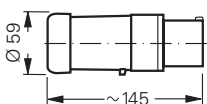
Wall socket



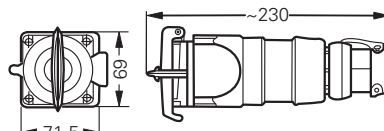
Flange socket



Drilling for flange socket



Plug



Coupler

X = fixing dimensions

Dimensions in mm






Transformer plug

Technical data

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

Marking accd. to 2014/34/EU	⊕ II 2 G Ex ed IIC T5
EC-Type Examination Certificate	PTB 99 ATEX 1039
Marking accd. to IECEx	Ex ed [ia] IIC T6/T5
IECEX Certificate of Conformity	IECEX BKI 04.0002
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage primary	250 V AC
Rated voltage secondary	12 V, 24 V, 36 V, 42 V or 230 V~
Frequency	50 - 60 Hz
Power consumption	max. 65 VA
Back up fuse, internal	0.5 A mT, replaceable
Connecting terminals	1 x 1 - 4 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54
Cable entry	Ø 10 - 20 mm
Enclosure material	glass-fibre reinforced polyester, polyamide

Ordering details

Voltage	h	Type	Weight approx.	Sec voltage	Order No.
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
	9 h				
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
	6 h				
Plug with fuse					
200-250 V		Plug with fuse max. 6.3 A	1.3 kg	–	GHG 531 7536 V0000
	6 h				

Accessories

Plug cap 3/4 pole	GHG 530 1935 R0002
Plug cap 5 pole / Plug with fuse	GHG 530 1935 R0005

32 A 4-/5-pole transformer plug/ plug with fuse

1



Transformer plug






Plug cap

Technical data

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

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T5
EC-Type Examination Certificate	PTB 99 ATEX 1041
IECEX Certificate of Conformity	IECEX BK1 04.0006
Marking accd. to IECEX	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage primary	250 V AC
Rated voltage secondary	24 V, 36 V or 42 V/230 V AC
Frequency	50/60 Hz
Power consumption	max. 65 VA
Back up fuse, internal	0.5 A mT, replaceable
Connecting terminals	1 x 1 - 4 mm ²
Protection class	I
Degree of protection accd. to EN 60529	IP54
Cable entry	∅ 10 - 20 mm
Enclosure material	glass-fibre reinforced polyester, polyamide

Ordering details

Voltage	h	Type	Weight approx.	Sec voltage	Order No.
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
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
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 / plug with fuse					GHG 530 1935 R0005



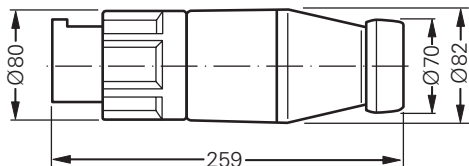
Transformer plug



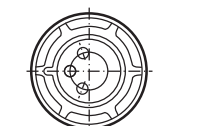
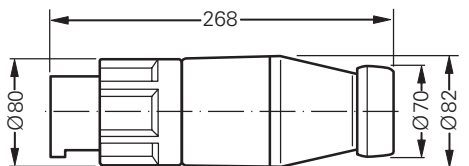
Plug cap

1

Dimension drawing



Transformer plug 16 A



Transformer plug 32 A

Ex-plugs and receptacles 10 A 21-pole up to 250 V

1



Wall socket



Plug

Technical data

Ex-plugs and receptacles, 21-pole

Marking accd. to 2014/34/EU	⊕ II 2 G Ex e II T6
EC-Type Examination Certificate	PTB 00 ATEX 1109
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	250 V AC
Rated current	10 A
Frequency	up to 400 Hz
External back up fuse	without therm. protection: 10 A with therm. protection: 16 A gG (rated current 10 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP65
Enclosure colour	black

Wall socket

Cable entry/enclosure drilling	1 x M40 cable gland, 1 x M32 metal thread with plastic Ex-screw plug
Connecting terminals	1 x 1.0 - 2.5 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

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

¹⁾ Please use appropriate crimp tool

Details for used cable glands see pages 2.3.ff



Plug



Wall socket

Ordering details

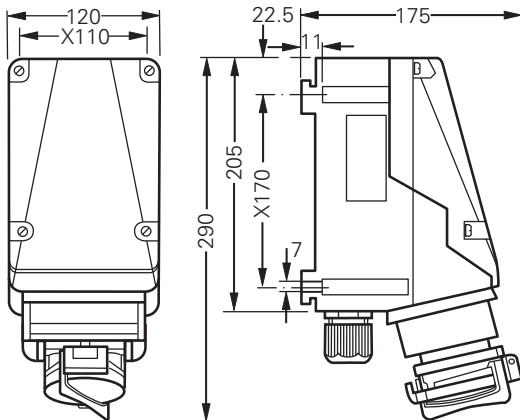
Type	h	Cable gland	Weight	Order No.
Type 10 A 21-pole				
Wall socket	5 h	KU	1.8 kg	GHG 511 4905 R0001
Wall socket	5 h	ME	1.9 kg	GHG 511 4905 R3001
Plug	5 h		0.7 kg	GHG 591 2201 R0001
Wall socket	6 h	KU	1.8 kg	GHG 511 4906 R0001
Wall socket	6 h	ME	1.9 kg	GHG 511 4906 R3001
Plug	6 h		0.7 kg	GHG 591 2201 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	snap on	GHG 610 1953 R0128
Mounting plate size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Mounting plate size 5	for pipe clamp	snap on	GHG 610 1953 R0132
Socket bushes 1 set = 7 pcs.			GHG 590 1301 R0102
Plug pins 1 set = 7 pcs.			GHG 590 1302 R0102
Ex-crimping tool for sockets and pins			GHG 590 1902 R0001
Dismanteling tool for sockets and pins			GHG 590 1903 R0001

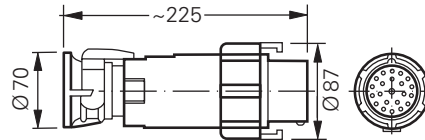
KU = 1 x plastic cable glands M40

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

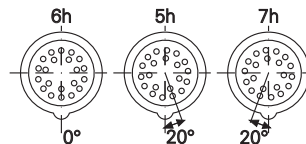
Dimension drawing | Wiring diagram



Wall socket 21-pole



Plug 21-pole



X = fixing dimensions

Ex-plugs and receptacles 20 A 7-pole up to 500 V

1



Wall socket



Plug

Technical data

Ex-plugs and receptacles, 7-pole

Marking accd. to 2014/34/EU	⊕ II 2 G Ex ed IIC T6/T5
EC-Type Examination Certificate	PTB 00 ATEX 1109
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	500 V
Rated current	16 A (T6) / 20 A (T5)
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3	U_b 500 V / I_b 10 A
accd. EN 60947-4	U_b 250 V / I_b 16 A
External back up fuse	without therm. protection: 16 A with therm. protection: 25 A gG (rated current 16/20 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

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

¹⁾ Please use appropriate crimp tool

Details for used cable glands see pages 2.3.ff



Plug



Wall socket

Ordering details

Type	h	Cable gland	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 6-pole + PE	7 h		0.3 kg	GHG 592 2001 R0022

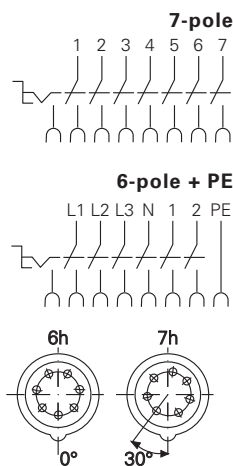
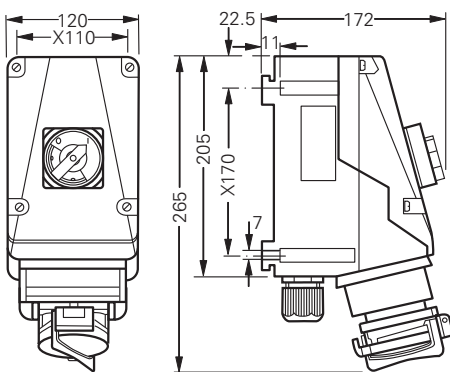
Type	Application	Fixing method	Order No.
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Accessories

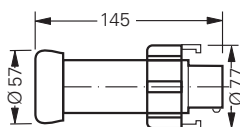
Plug cap 7-pole			GHG 540 1935 R0002
Mounting plate size 5	for wall mounting	snap on	GHG 610 1953 R0128
Mounting plate size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Mounting plate size 5	pipe clamp	snap on	GHG 610 1953 R0132
Socket bushes 1 set = 7 pcs.			GHG 590 1301 R0102
Plug pins 1 set = 7 pcs.			GHG 590 1302 R0102
Ex-crimping tool for sockets and pins			GHG 590 1902 R0001
Dismanteling tool for sockets and pins			GHG 590 1903 R0001

Other voltage ranges and versions available on request
 KU = 1 x plastic cable glands M40, 1 x M40 with plastic Ex-screw plug
 ME = 2 x metal thread M32 with plastic Ex-screw plug

Dimension drawing | Wiring diagram



Wall socket 7-pole



Plug 7-pole

X = fixing dimensions

Ex-plugs and receptacles 16 A 3/4/5-pole up to 690 V

1



Wall socket



Flange socket



Coupler



Plug

Technical data

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

Marking accd. to 2014/34/EU	Wall socket, plug and coupler: $\text{II 2 G Ex ed IIC T6} / \text{II 2 D Ex tD A21 IP66 T80 } ^\circ\text{C}$ Flange socket: $\text{II 2 G Ex db eb IIC/IIB Gb} / \text{II 2 D Ex tb IIIC Db}$
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1039 / Flange socket: BVS 15 ATEX E 101 U
IECEx Certificate of Conformity	Wall socket, plug and coupler: IECEx BKI 04.0002 / Flange socket: IECEx BVS 15.0088U
Marking accd. to IECEx	Wall socket, plug and coupler: IEx ed [ia] IIC T6/T5 / Flange socket: Ex db eb IIC/IIB Gb / Ex tb IIIC Db
Permissible ambient temperature	-20°C up to +40°C ¹⁾
Rated voltage	up to 400 V, (3-pole) / 690 V, (4-pole) / 500 V, (5-pole) AC
Rated current	16 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 250 V / I _e 16 A (3-pole) U _e 690 V / I _e 16 A (4-pole) U _e 500 V / I _e 16 A (5-pole)
External back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gG (rated current 16 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket

Cable entry	1 x M25 cable gland, 1 x M25 plastic Ex-screw plug or 2 x metal thread M20 with plastic Ex-screw plug
Connecting terminals	2 x 1 - 4 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

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

Coupler

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


Flange socket

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

¹⁾ extended temperature range on request.

Details for used cable glands see pages 2.3.ff

Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
110-130 V	 <p>4 h</p>	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
		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

Ex-plugs and receptacles 16 A 3/4/5-pole up to 690 V



Plug



Coupler


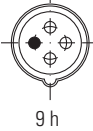






Flange socket



Wall socket

Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 16 A 3-pole						
200-250 V		Wall socket	–	KU	1.2 kg	GHG 511 4306 R0001
		Wall socket	–	GE	1.2 kg	GHG 511 4306 R0002
		Wall socket	–	ME	1.3 kg	GHG 511 4306 R3001
		Wall socket	–	GM	1.3 kg	GHG 511 4306 R3003
		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	–	KU	1.4 kg	GHG 511 4409 R0001
		Wall socket	–	ME	1.5 kg	GHG 511 4409 R3001
		Wall socket	–	GM	1.6 kg	GHG 511 4409 R3003
		Flange socket			1.0 kg	GHG 511 8409 R0001
		Coupler			0.9 kg	GHG 511 3409 R0001
		Plug			0.38 kg	GHG 511 7409 R0001
		380-415 V		Wall socket	–	KU
Wall socket	–			ME	1.5 kg	GHG 511 4406 R3001
Wall socket	–			GM	1.6 kg	GHG 511 4406 R3003
Wall socket	yes			KH	1.4 kg	GHG 511 4406 R0501
Flange socket					1.0 kg	GHG 511 8406 R0001
Coupler					0.9 kg	GHG 511 3406 R0001
Plug					0.38 kg	GHG 511 7406 R0001
480-500 V		Wall socket	–	KU	1.4 kg	GHG 511 4407 R0001
		Wall socket	–	ME	1.5 kg	GHG 511 4407 R3001
		Wall socket	yes	KH	1.4 kg	GHG 511 4407 R0501
		Flange socket			1.0 kg	GHG 511 8407 R0001
		Coupler			0.9 kg	GHG 511 3407 R0001
		Plug			0.38 kg	GHG 511 7407 R0001
		600-690 V		Wall socket	–	KU
Wall socket	–			ME	1.5 kg	GHG 511 4405 R3001
Wall socket	yes			KH	1.4 kg	GHG 511 4405 R0501
Flange socket					1.0 kg	GHG 511 8405 R0001
Coupler					0.9 kg	GHG 511 3405 R0001
Plug					0.38 kg	GHG 511 7405 R0001
Type 16 A 5-pole						
200-250 V 380-415 V		Wall socket	–	KU	1.4 kg	GHG 511 4506 R0001
		Wall socket	–	ME	1.5 kg	GHG 511 4506 R3001
		Wall socket	yes	KH	1.4 kg	GHG 511 4506 R0501
		Wall socket	–	GM	1.6 kg	GHG 511 4506 R3003
		Flange socket			1.0 kg	GHG 511 8506 R0001
		Coupler			0.95 kg	GHG 511 3506 R0001
		Plug			0.42 kg	GHG 511 7506 R0001

Other voltage ranges and versions available on request

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

ME = 2 x metal thread M20

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

KH = 2 x plastic cable glands M25, aux. contact, 1 NO

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

Ex-plugs and receptacles 16 A 3/4/5-pole up to 690 V

1



Wall socket



flange socket

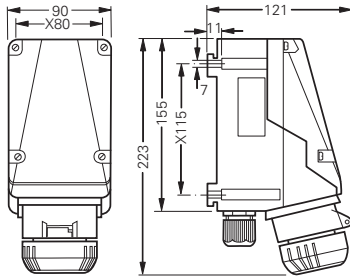


Coupler

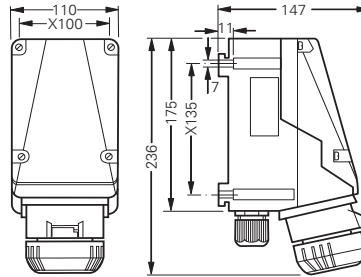


Plug

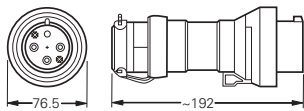
Dimension drawing | Wiring diagram



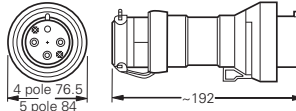
Wall socket 3-pole



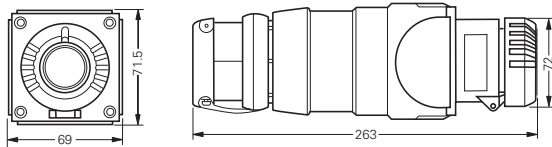
Wall socket 4/5-pole



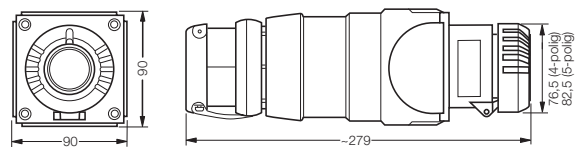
Plug 3-pole



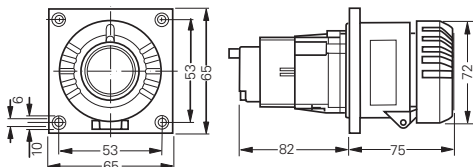
Plug 4/5-pole



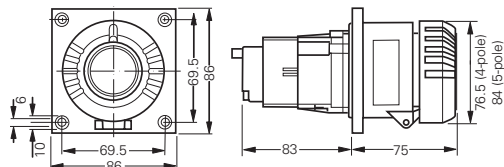
Coupler 3-pole



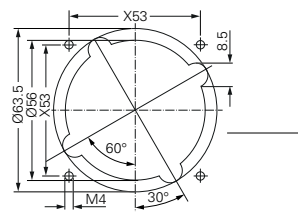
Coupler 4/5-pole



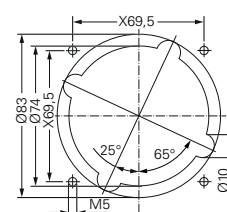
Flange socket 3-pole



Flange socket 4/5-pole

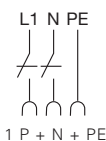


Assembly dimensions flange socket

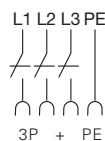


Assembly dimensions flange socket X = fixing dimensions

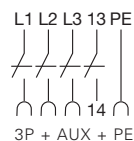
without aux. contact



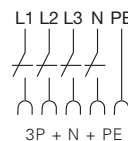
without aux. contact



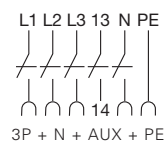
with aux. contact



without aux. contact



with aux. contact



Dimensions in mm



Protective canopy



Plug cap



GHG 610 1901 R0126

Accessories

Type	Application	Fixing method	Order No.
Mounting plates for wall sockets 16 A			
Size 4	for wall mounting	snap on	GHG 610 1953 R0126
Size 4	for trellis mounting	snap on	GHG 610 1953 R0126
Size 4	for pipe clamp	snap on	GHG 610 1953 R0130
Type			Order No.

Plug cap for plugs 16 A

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

Type	OU	Order No.
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Accessories for mounting plates

Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020
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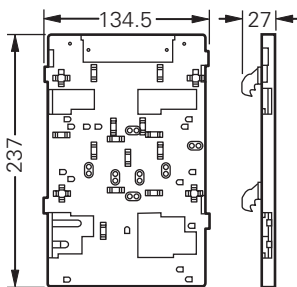
Please pay attention that only order units (OU) according to the ordering details can be delivered.

Type	Application	Order No.
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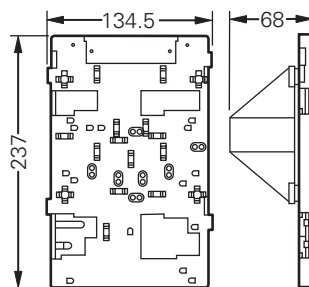
Protective canopy for mounting plate

Size 4	for mounting plate size 4, snap on	GHG 610 1955 R0107
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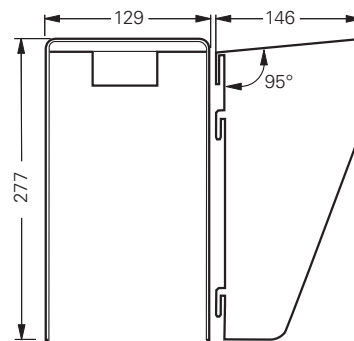
Dimension drawing



Mounting plate size 4 for wall/trellis mounting



Mounting plate size 4 for pipe clamp



Protective canopy size 4

Ex-plugs and receptacles 32 A 4/5-pole up to 690 V



Wall socket



Flange socket



Coupler



Plug

Technical data

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

Marking accd. to 2014/34/EU	Ⓔ II 2 G Ex de (ia) IIC T6 / Ⓔ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1041 Flange socket: PTB 99 ATEX 1042 U
IECEX Certificate of Conformity	IECEX BK1 04.0006
Marking accd. to IECEx	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	up to 690 V (AC)
Rated current	32 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_b 690 V / I_b 32 A
External back up fuse	without therm. protection: 35 A with therm. protection: 50 A gG (rated current 32 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

Cable entry/enclosure drilling	1 x M40 cable gland, 1 x M40 plastic Ex-screw plug or 2 x M32 metal thread with 2 plastic Ex-screw plug
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 12 - 28 mm
Connecting terminals	1.0 - 6 mm ²
Enclosure material	Polyamide

Coupler

Cable entry	Ø 12 - 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

¹⁾ extended temperature range on request

Details for used cable glands see pages 2.3.ff

Ex-plugs and receptacles 32 A 4/5-pole up to 690 V



Plug



Coupler








Flange socket



Wall socket

Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 32 A 4-pole						
200-250 V		Wall socket	–	KU	2.3 kg	GHG 512 4409 R0001
		Wall socket	–	ME	2.4 kg	GHG 512 4409 R3001
		Wall socket	–	GM	2.3 kg	GHG 512 4409 R3003
		Flange socket			1.0 kg	GHG 512 8409 R0001
		Coupler			1.55 kg	GHG 512 3409 R0001
		Plug			0.55 kg	GHG 512 7409 R0001
380-415 V		Wall socket	–	KU	2.3 kg	GHG 512 4406 R0001
		Wall socket	–	ME	2.4 kg	GHG 512 4406 R3001
		Wall socket	yes	KH	2.3 kg	GHG 512 4406 R0501
		Wall socket	–	GM	2.4 kg	GHG 512 4406 R3003
		Flange socket			1.0 kg	GHG 512 8406 R0001
		Coupler			1.55 kg	GHG 512 3406 R0001
480-500 V		Wall socket	–	KU	2.3 kg	GHG 512 4407 R0001
		Wall socket	–	ME	2.4 kg	GHG 512 4407 R3001
		Wall socket	yes	KH	2.3 kg	GHG 512 4407 R0501
		Flange socket			1.0 kg	GHG 512 8407 R0001
		Coupler			1.55 kg	GHG 512 3407 R0001
		Plug			0.55 kg	GHG 512 7407 R0001
600-690 V		Wall socket	–	KU	1.8 kg	GHG 512 4405 R0001
		Wall socket	–	ME	2.4 kg	GHG 512 4405 R3001
		Wall socket	yes	KH	2.3 kg	GHG 512 4405 R0501
		Flange socket			1.0 kg	GHG 512 8405 R0001
		Coupler			1.55 kg	GHG 512 3405 R0001
		Plug			0.55 kg	GHG 512 7405 R0001
Type 32 A 5-pole						
200-250 V 380-415 V		Wall socket	–	KU	2.3 kg	GHG 512 4506 R0001
		Wall socket	–	ME	2.4 kg	GHG 512 4506 R3001
		Wall socket	yes	KH	2.3 kg	GHG 512 4506 R0501
		Wall socket	–	GM	2.4 kg	GHG 512 4506 R3003
		Flange socket			1.0 kg	GHG 512 8506 R0001
		Coupler			1.6 kg	GHG 512 3506 R0001
		Plug			0.6 kg	GHG 512 7506 R0001

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M40, 1 x M40 plastic Ex-screw plug

KH = 1 x plastic cable glands M40, 1 x plastic cable glands M25, with aux. contact

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

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

Ex-plugs and receptacles 32 A 4/5-pole up to 690 V

1



Wall socket



Flange socket

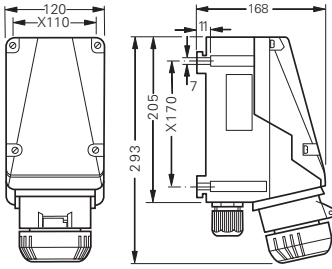


Coupler

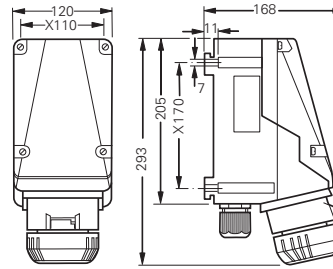


Plug

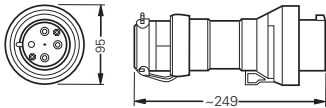
Dimension drawing | Wiring diagram



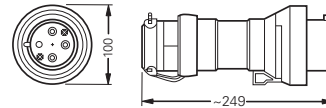
Wall socket 4-pole



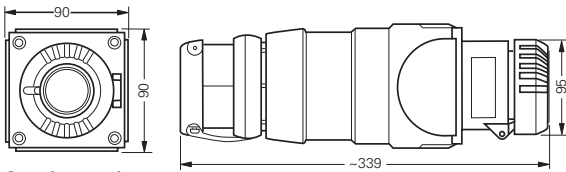
Wall socket 5-pole



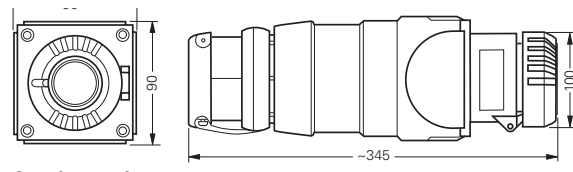
Plug 4-pole



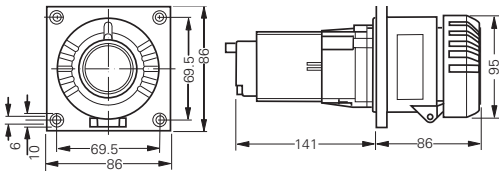
Plug 5-pole



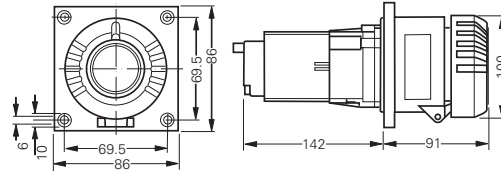
Coupler 4-pole



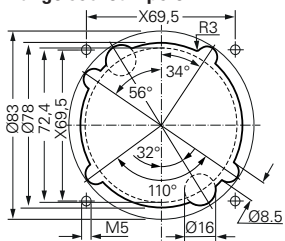
Coupler 5-pole



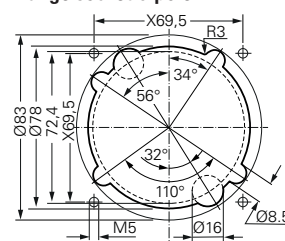
Flange socket 4-pole



Flange socket 5-pole

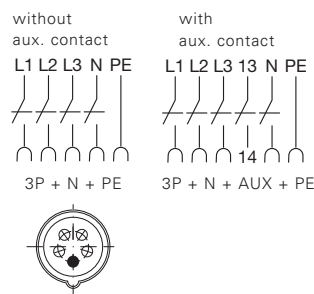
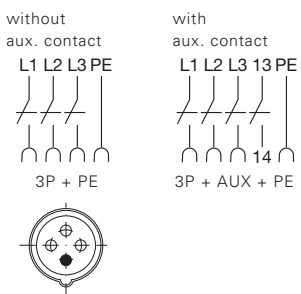


Assembly dimensions flange socket



Assembly dimensions flange socket

X = fixing dimensions



Dimensions in mm



Protective canopy



Plug cap



GHG 610 1901 R0128

Accessories

Type	Application	Fixing method	Order No.
Mounting plates for wall sockets 32 A			
Size 5	for wall mounting	snap on	GHG 610 1953 R0128
Size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Size 5	for pipe clamp	snap on	GHG 610 1953 R0132

Type	Order No.
------	-----------

Plug cap for plugs 32 A

Plug 32 A 3-pole/4-pole	GHG 510 1901 R0004
Plug 32 A 5-pole	GHG 510 1901 R0005

Type	OU	Order No.
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Accessories for mounting plates

Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020
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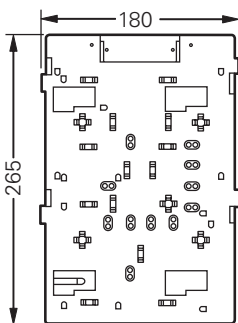
Please pay attention that only order units (OU) according to the ordering details can be delivered.

Type	Application	Order No.
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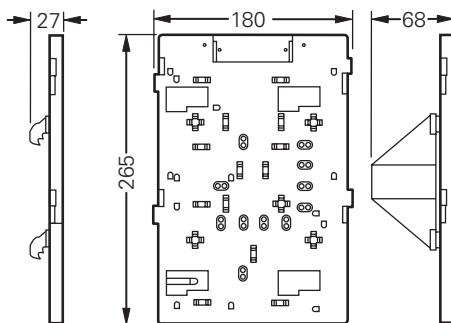
Protective canopy for mounting plate

Size 5	for mounting plate size 5, snap on	GHG 610 1955 R0108
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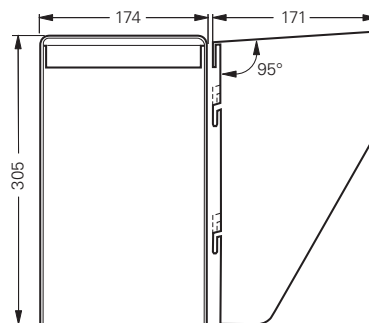
Dimension drawing



Mounting plate size 5 for wall/trellis mounting



Mounting plate size 5 for pipe mounting



Protective canopy size 5

Ex-plugs and receptacles 63 A 4/5-pole up to 690 V

1



Wall socket



Plug

Technical data

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

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T5/T6 / ⊕ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 00 ATEX 1070
IECEX Certificate of Conformity	IECEX BKI 04.0004
Marking accd. to IECEX	Ex ed IIC T6
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	690 V (AC)
Rated current	63 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_e 690 V / I_e 63 A
External back up fuse	without therm. protection: 63 A with therm. protection: 80 A gG (rated current 63 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

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

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

³⁾ see accessories

Details for used cable glands see pages 2.3.ff

Ex-plugs and receptacles 63 A 4/5-pole up to 690 V



Plug cap



Plug



Wall socket

Ordering details

Voltage	h	Type	Aux. contact	Cable entry	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			0.9 kg	GHG 514 7409 R0001
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
		Wall socket	–	GM	8.2 kg	GHG 514 4406 R3017
		Plug			0.9 kg	GHG 514 7406 R0001
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
		Wall socket	–	GM	8.2 kg	GHG 514 4407 R3003
		Plug			0.9 kg	GHG 514 7407 R0001
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
		Wall socket	–	GM	8.2 kg	GHG 514 4405 R3002
		Plug			0.9 kg	GHG 514 7405 R0001
Type 63 A 5-pole						
200-250 V 380-415 V		Wall socket	–	KU	8.1 kg	GHG 514 4506 R0001
		Wall socket	–	ME	8.1 kg	GHG 514 4506 R3001
		Wall socket	yes	KH	8.2 kg	GHG 514 4506 R0501
		Wall socket	–	GM	8.2 kg	GHG 514 4506 R3006
		Plug			0.9 kg	GHG 514 7506 R0001

Accessories

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

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M50, 1 x M50 plastic Ex-screw plug

KH = 1 x plastic cable glands M50, 1 x plastic cable glands M25, with aux. contact

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

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

Ex-plugs and receptacles 63 A 4/5-pole up to 690 V

1

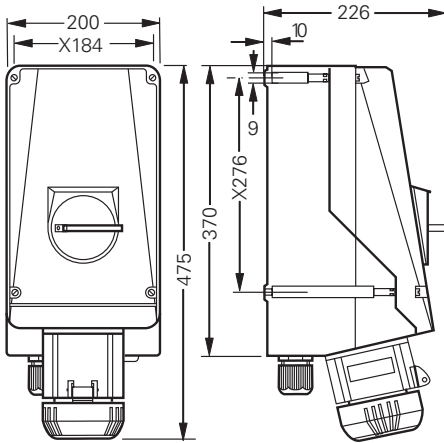


Wall socket

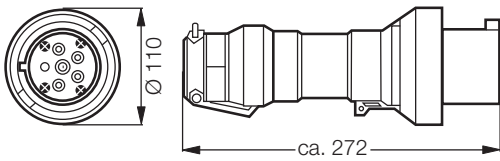


Plug

Dimension drawing | Wiring diagram



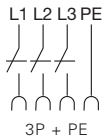
Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions

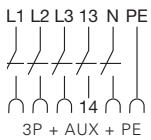
without
aux. contact



3P + PE

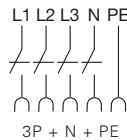


with
aux. contact



3P + AUX + PE

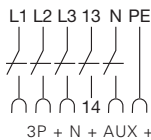
without
aux. contact



3P + N + PE



with
aux. contact



3P + N + AUX + PE



Plug



Wall socket

Technical data

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

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T6 / ⊕ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 01 ATEX 1069
IECEX Certificate of Conformity	IECEX BK1 04.0005
Marking accd. to IECEx	Ex ed IIC T6
Permissible ambient temperature	-20 °C to + 40 °C ¹⁾
Rated voltage	690 V
Rated current	125 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	Ue 690 V / Ie 125 A
External back up fuse	without therm. protection: 125 A with therm. protection: 160 A gG (rated current 125 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

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

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

³⁾ see accessories

Details for used cable glands see pages 2.3.ff

Ex-plugs and receptacles 125 A 4/5-pole up to 690 V

1



Wall socket








Plug



Plug cap

Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
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
		Wall socket	yes	KH	12.5 kg	GHG 515 4409 R0501
		Plug			1.5 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
		Wall socket	–	GM	8.2 kg	GHG 515 4406 R3003
		Plug			1.5 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
		Wall socket	–	GM	8.2 kg	GHG 515 4407 R3002
		Plug			1.5 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
		Wall socket	–	GM	8.2 kg	GHG 515 4405 R3002
		Plug			1.5 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
		Wall socket	–	GM	8.2 kg	GHG 515 4506 R3005
		Plug			1.2 kg	GHG 515 7506 R0001

Accessories

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

Other voltage ranges and versions available on request

KU = 1 x plastic cable glands M63, 1 x M40 plastic Ex-screw plug

KH = 1 x plastic cable glands M63, 1 x plastic cable glands M25, with aux. contact

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

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



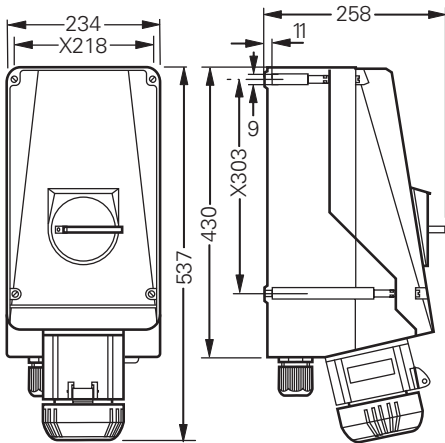
Plug



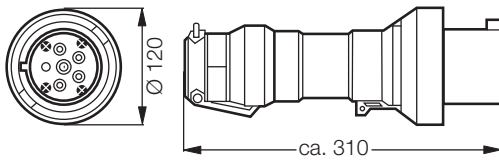
Wall socket

1

Dimension drawing | Wiring diagram



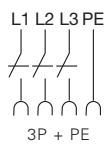
Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions

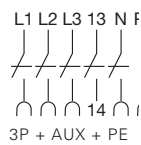
without aux. contact



3P + PE

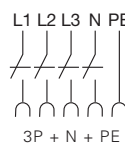


with aux. contact



3P + AUX + PE

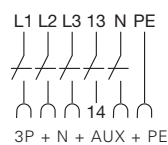
without aux. contact



3P + N + PE



with aux. contact



3P + N + AUX + PE

Ex-plugs and receptacles 20 A 3/4/5-pole up to 600 V IEC 309 Series 2 - CSA



Wall socket



Flange socket



Coupler



Plug

Technical data

Ex-plugs and receptacles acc. to IEC 60309-Series 2 20 A

Certificate of Compliance	CSA 2080082
Marking accd. to NEC 500	Class I Div 2 Group A, B, C and D, Class II Div. 1 Group E, F, and G
Marking accd. to NEC 505/CEC 18	Class I Zone 1 AEx ed IIC T6 / Ex ed IIC T6
Permissible ambient temperature	-45°C up to +55°C ¹⁾
Rated voltage	480 V (3-pole) / 600 V (4-pole) / 480 V (5-pole) AC
Rated current	20 A
Frequency	up to 400 Hz
Rated switching capacity	3-pole: 277 V / 3 HP, 4-pole: 600 V / 10 Hp 60 Hz, 5-pole: 600 V / 10 HP (60 Hz)
External back-up fuse, max.	without therm. protection: 20 A with therm. protection: 35 A gG (rated current 20A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket

Cable entry	1x 1/2" or 1 x 3/4" NPT Myers Hub
Connecting terminals	2 x AWG 16 - 12
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	1 x AWG 17 - 14
Enclosure material	Polyamide

Flange socket

Connecting terminals	2 x AWG 16 - 12
Enclosure material	glass-fibre reinforced polyester

Coupler

Cable entry	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	1 x AWG 16 - 12
Enclosure material	Polyamide

¹⁾ + 55 °C with reduced line current



Ex-plugs and receptacles 20 A 3/4/5-pole up to 600 V IEC 309 Series 2 - CSA



Wall socket



Flange socket



Coupler



Plug

Ordering details

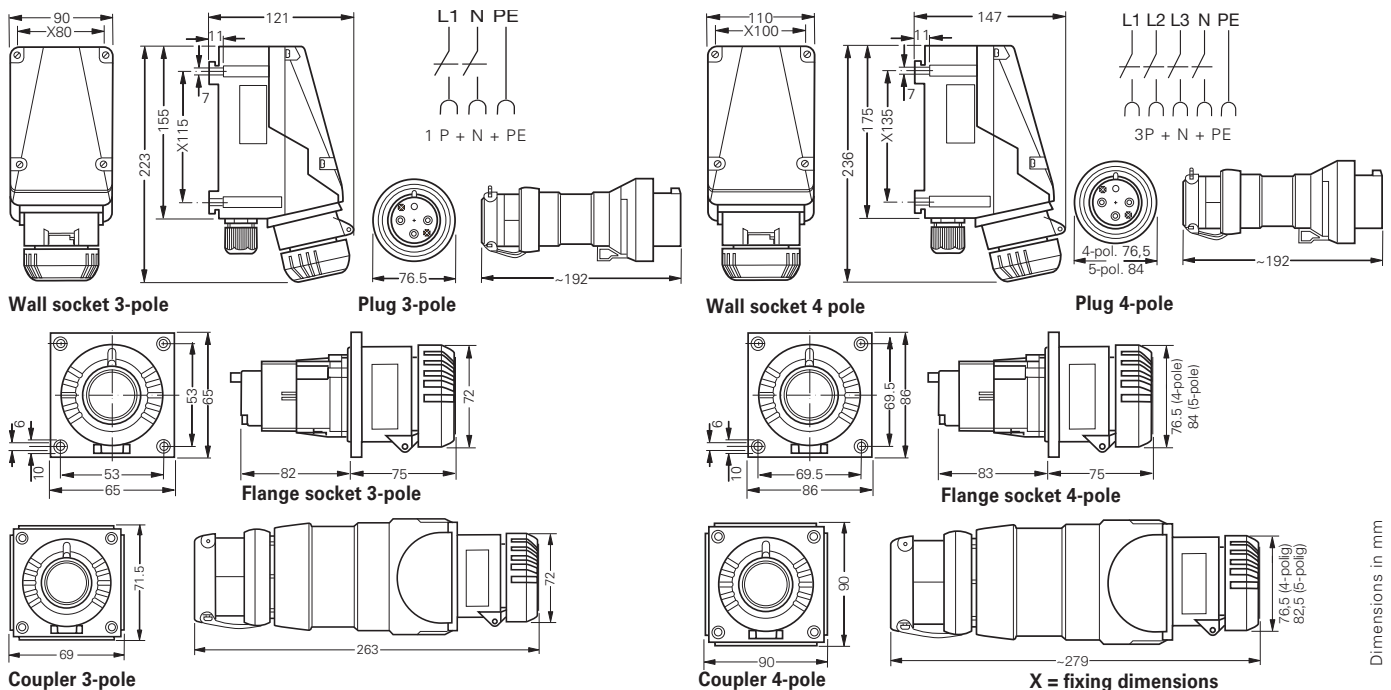
Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 20 A 3-pole						
125 V		Wall socket	–	ME20	1.4 kg	GHG 511 4304 L3001
		Flange socket	–	–	1.0 kg	GHG 511 8304 L0001
		Coupler	–	–	0.9 kg	GHG 511 3304 L0001
		Plug	–	–	0.38 kg	GHG 511 7304 L0001
250 V		Wall socket	–	ME20	1.4 kg	GHG 511 4306 L3001
		Flange socket	–	–	1.0 kg	GHG 511 8306 L0001
		Coupler	–	–	0.9 kg	GHG 511 3306 L0001
		Plug	–	–	0.38 kg	GHG 511 7306 L0001
Type 20 A 4-pole						
3Ø 600 V		Wall socket	–	ME25	1.9 kg	GHG 511 4405 L3001
		Flange socket	–	–	1.0 kg	GHG 511 8405 L0001
		Coupler	–	–	0.9 kg	GHG 511 3405 L0001
		Plug	–	–	0.38 kg	GHG 511 7405 L0001
3Ø 480 V		Wall socket	–	ME25	1.9 kg	GHG 511 4407 L3001
		Flange socket	–	–	1.0 kg	GHG 511 8407 L0001
		Coupler	–	–	0.9 kg	GHG 511 3407 L0001
		Plug	–	–	0.38 kg	GHG 511 7407 L0001
3Ø 250 V		Wall socket	–	ME25	1.9 kg	GHG 511 4409 L3001
		Flange socket	–	–	1.0 kg	GHG 511 8409 L0001
		Coupler	–	–	0.9 kg	GHG 511 3409 L0001
		Plug	–	–	0.38 kg	GHG 511 7409 L0001

Other voltage ranges and versions available on request

ME20 = 2 x metal thread M20, 1 x 1/2" Myers Hub adapter, 1 x M20 plastic Ex-screw plug

ME25 = 2 x metal thread M25, 1 x 3/4" Myers Hub adapter, 1 x M25 plastic Ex-screw plug

Dimension drawing | Wiring diagram



Ex-plugs and receptacles 30 A 3/4/5-pole up to 600 V IEC 309 Series 2 - CSA



Wall socket



Plug



Flange socket



Coupler

Technical data

Ex-plugs and receptacles acc. to IEC 60309-Series 2 30 A

Certificate of Compliance	CSA 2080082
Marking accd. to NEC 500	Class I Div 2 Group A, B, C and D, Class II Div. 1 Group E, F, and G
Marking accd. to NEC 505/CEC 18	Class I Zone 1 AEx ed IIC T6 / Ex ed IIC T6
Permissible ambient temperature	-45°C up to +55°C
Rated voltage	600 V AC
Rated current	30 A
Frequency	up to 400 Hz
Rated switching capacity	600 V 30 A
External back-up fuse, max.	without therm. protection: 30 A with therm. protection: 50 A gG (rated current 30 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket

Cable entry	1 x 1" NPT Myers Hub, 1 x M32 thread with screw plug
Connecting terminals	2 x AWG 12-8
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 17 - 28 mm
Connecting terminals	1 x AWG 18 - 10
Enclosure material	Polyamide

Coupler

Cable entry	Ø 17 - 28 mm
Connecting terminals	2 x AWG 12-8
Enclosure material	glass-fibre reinforced polyester

Flange socket	Flange socket
Connecting terminals	1 x AWG 12-8
Enclosure material	Polyamide



Ex-plugs and receptacles 30 A 3/4/5-pole up to 600 V IEC 309 Series 2 - CSA



Flange socket



Coupler



Plug



Wall socket

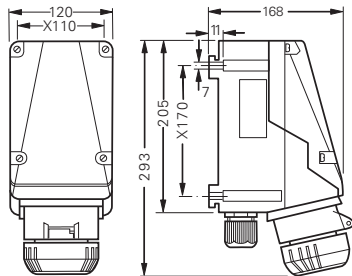
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Ordering details

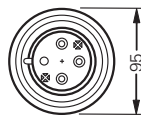
Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 30 A 4-pole						
3Ø 600 V		Wall socket	–	ME32	2.1 kg	GHG 512 4405 L3001
		Flange socket	–	–	1.0 kg	GHG 512 8405 L0001
		Coupler	–	–	1.55 kg	GHG 512 3405 L0001
		Plug	–	–	0.4 kg	GHG 512 7405 L0001
3Ø 480 V		Wall socket	–	ME32	2.1 kg	GHG 512 4407 L3001
		Flange socket	–	–	1.0 kg	GHG 512 8407 L0001
		Coupler	–	–	1.55 kg	GHG 512 3407 L0001
		Plug	–	–	0.4kg	GHG 512 7407 L0001
3Ø 250 V		Wall socket	–	ME32	2.1kg	GHG 512 4409 L3001
		Flange socket	–	–	1.0 kg	GHG 512 8409 L0001
		Coupler	–	–	1.55 kg	GHG 512 3409 L0001
		Plug	–	–	0.4kg	GHG 512 7409 L0001

Other voltage ranges and versions available on request
 ME32 = 2 x metal thread M32, 1 x 1" Myers Hub adapter, 1 x M32 plastic Ex-screw plug

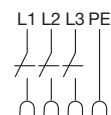
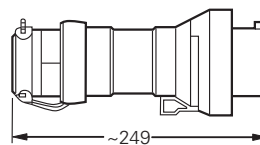
Dimension drawing | Wiring diagram



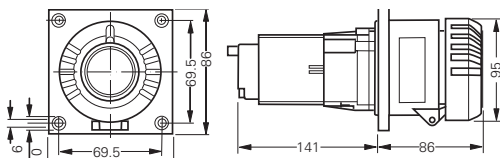
Wall socket 4-pole



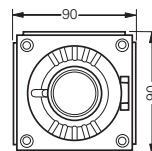
Plug 4-pole



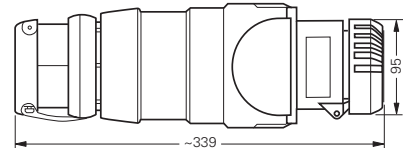
3P + PE



Flange socket 4-pole



Coupler 4-pole



X = fixing dimensions

Ex-plugs and receptacles 60 A 3/4/5-pole up to 600 V IEC 309 Series 2 - CSA

1



Wall socket



Plug

Technical data

Ex-plugs and receptacles acc. to IEC 60309-Series 2 60 A

Certificate of Compliance	CSA 2089057
Marking accd. to NEC 500	Class I Div 2 Group A, B, C and D, Class II Div. 1 Group E, F, and G
Marking accd. to NEC 505/CEC 18	Class I Zone 1 AEx ed IIC T6 / Ex ed IIC T6
Permissible ambient temperature	-20°C up to +40°C
Rated voltage	600 V AC
Rated current	60 A
Frequency	up to 400 Hz
Rated switching capacity	600 V 60 A
External back-up fuse, max.	without therm. protection: 60 A with therm. protection: 80 A gG (rated current 60 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket

Cable entry	1 x 1 1/4" NPT Myers Hub, 1 x M40 thread with screw plug
Connecting terminals	2 x AWG 12 - 4
Enclosure material	glass-fibre reinforced polyester



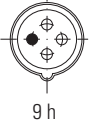
Plug

Cable entry	Ø 19 - 34 mm
Connecting terminals	1 x AWG 12 - 6
Enclosure material	Polyamide



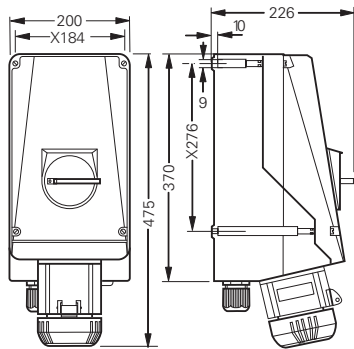


Ordering details

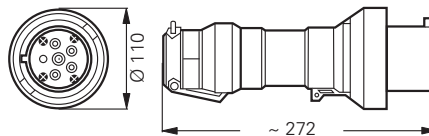
Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
3Ø 600 V		Wall socket	–	ME40	8.2 kg	GHG 514 4405 L3001
		Plug	–		0.9 kg	GHG 514 7405 L0001
3Ø 480 V		Wall socket	–	ME40	8.2 kg	GHG 514 4407 L3001
		Plug	–		0.9 kg	GHG 514 7407 L0001
3Ø 250 V		Wall socket	–	ME40	8.2 kg	GHG 514 4409 L3001
		Plug	–		0.9 kg	GHG 514 7409 L0001

Other voltage ranges and versions available on request
 ME40 = 2 x metal thread M40, 1 x 1 1/4" Myers Hub adapter, 1 x M40 plastic Ex-screw plug

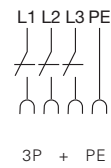
Dimension drawing | Wiring diagram



Wall socket 4-pole



Plug 4-pole



X = fixing dimensions

Ex-plugs and receptacles 100 A 3/4/5-pole up to 600 V IEC 309 Series 2 - CSA

1



Wall socket



Plug

Technical data

Ex-plugs and receptacles acc. to IEC 60309-Series 2 100 A

Certificate of Compliance	CSA 2089057
Marking accd. to NEC 500	Class I Div 2 Group A, B, C and D, Class II Div. 1 Group E, F, and G
Marking accd. to NEC 505/CEC 18	Class I Zone 1 AEx ed IIC T6 / Ex ed IIC T6
Permissible ambient temperature	-20°C up to +40°C
Rated voltage	600 V AC
Rated current	100 A
Frequency	up to 400 Hz
Rated switching capacity	600 V 100 A
External back-up fuse, max.	without therm. protection: 100 A with therm. protection: 160 A gG (rated current 100 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66

Plug

Cable entry	1 x 1 1/2" NPT Myers Hub, 1 x M50 thread with screw plug
Connecting terminals	2 x AWG 12 - 1
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 31 - 55 mm
Connecting terminals	1 x AWG 12 - 3
Enclosure material	Polyamide





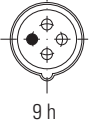


Plug



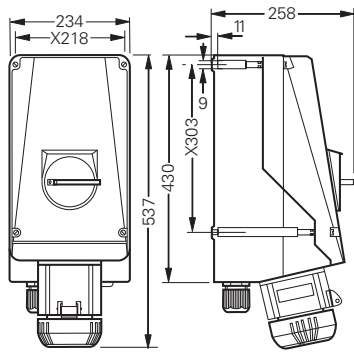
Wall socket

Ordering details

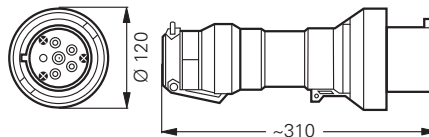
Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 100 A 4-pole						
3Ø 600 V		Wall socket	–	ME50	12.6 kg	GHG 515 4405 L3001
		Plug	–		1.5 kg	GHG 515 7405 L0001
3Ø 480 V		Wall socket	–	ME50	12.6 kg	GHG 515 4407 L3001
		Plug	–		1.5 kg	GHG 515 7407 L0001
3Ø 250 V		Wall socket	–	ME50	12.6 kg	GHG 515 4409 L3001
		Plug	–		1.5 kg	GHG 515 7409 L0001

Other voltage ranges and versions available on request
 ME50 = 2 x metal thread M50, 1 x 1 1/2" Myers Hub adapter, 1 x M50 plastic Ex-screw plug

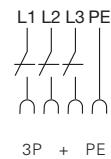
Dimension drawing | Wiring diagram



Wall socket 4-pole



Plug 4-pole



X = fixing dimensions

1.2

GHG 51 Ex-Wall Sockets with Stainless Steel Enclosure

1 From 16 A - 125 A for zone 1, 2, 21 and 22

A reliable connection

Making electrical energy available, where it is needed, in highly combustible ranges of the zones 1, 2, 21 and 22 is a substantial task. In addition to high mechanical protection and the ability to withstand aggressive environmental influences is also required. Our ranges of wall sockets with

our new stainless steel housing are the best choice.

Our durable and long-lasting GHG 51 series, with the high mechanical and chemical stability of the stainless steel housings are combined here, as well as generously dimensioned connection area with Ex-e connecting terminals perfect the new series.



Features

- Robust & durable enclosure made of stainless steel AISI 316L
- Increased resistance against chemicals, salt water and higher impact conditions
- Easy to clean design
- High ingress protection IP 66 applies also in the plugged-in state
- Full AC-3 switching ability
- Compatible with existing and proven GHG 51 plugs
- Easy looping options w/o using of junction boxes (16A-125A)
- External earth bolt to connect ground
- Panel mounting possibilities



Wall socket 16 A

1

Technical data

Ex-wall socket 16 A	
Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T6 I ⊕ II D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1039
IECEX Certificate of Conformity	IECEX BVS 12.0027
Marking accd. to IECEx	Ex de mb IIC T5/T6 Gb Ex tb IIIC T80 °C Db IP66
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	up to 250 V (3-pole) / 690 V (4-pole) / 415 V (5-pole)
Rated current	16 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_g 690 V / I_g 16 A
Connecting terminals	2 x 1.5 mm ² - 16 mm ²
Enclosure drilling	2 x M25 metal thread with 2 x M25 screw plug, various cable glands on request
Protection class	I
Degree of protection accd. to EN 60529	IP 66
Enclosure material	stainless steel AISI 316L
Weight	1.3 kg (3-pole) / 1.8 kg (5-pole)

¹⁾ extended temperature range on request

Ordering details Wall socket 16 A (stainless steel)

Voltage	h	Rated current	Dimensions in mm (L x W x H)	Weight approx.	Cable entry	Order No.
Wall socket 3-pole						
110 - 130 V	 4 h	16 A	200 x 200 x 270	1.3 kg	2 x M25	GHG 511 4304 R1001
200 - 250 V	 6 h	16 A	200 x 200 x 270	1.3 kg	2 x M25	GHG 511 4306 R1001
Wall socket 4-pole						
690 V	 5 h	16 A	200 x 200 x 270	1.8 kg	2 x M25	GHG 511 4405 R1001
415 V	 6 h	16 A	200 x 200 x 270	1.8 kg	2 x M25	GHG 511 4406 R1001
Wall socket 5-pole						
240 - 415 V	 6 h	16 A	200 x 200 x 270	1.8 kg	2 x M25	GHG 511 4506 R1001

Ex-wall socket stainless steel 32 A



Wall socket 32 A




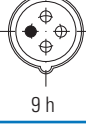

Technical data

Ex-wall socket 32 A

Marking accd. to 2014/34/EU	Ⓔ II 2 G Ex de IIC T6 I Ⓔ II D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1041
IECEX Certificate of Conformity	IECEX BVS 12.0027
Marking accd. to IECEx	Ex de mb IIC T5/T6 Gb Ex tb IIC T80 °C Db IP66
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	up to 690 V (4-pole) / 415 V (5-pole)
Rated current	32 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_e 690 V / I_e 32 A
Connecting terminals	2 x 2.5 mm ² - 35 mm ²
Enclosure drilling	2 x M32 metal thread with 2 x M32 screw plug, various cable glands on request
Protection class	I
Degree of protection accd. to EN 60529	IP 66
Enclosure material	Stainless steel AISI 316L
Weight	2.3 kg

¹⁾ extended temperature range on request

Ordering details Wall socket 32 A (stainless steel)

Voltage	h	Rated current	Dimensions in mm (L x W x H)	Weight approx.	Cable entry	Order No.
Wall socket 4-pole						
690 V		32 A	436 x 300 x 210	2.3 kg	2 x M32	GHG 512 4405 R1001
415 V		32 A	436 x 300 x 210	2.3 kg	2 x M32	GHG 512 4406 R1001
500 V		32 A	436 x 300 x 210	2.3 kg	2 x M32	GHG 512 4407 R1001
250 V		32 A	436 x 300 x 210	2.3 kg	2 x M32	GHG 512 4409 R1001
Wall socket 5-pole						
415 V		32 A	436 x 300 x 210	2.3 kg	2 x M32	GHG 512 4506 R1001



Wall socket 63 A





1

Technical data

Ex-wall socket 63 A	
Marking accd. to 2014/34/EU	Ⓔ II 2 G Ex de IIC T6 I Ⓔ II D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 00 ATEX 1070
IECEX Certificate of Conformity	IECEX BVS 12.0027
Marking accd. to IECEx	Ex de mb IIC T5/T6 Gb Ex tb IIIC T80 °C Db IP66
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	up to 690 V (4-pole) / 415 V (5-pole)
Rated current	63 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_e 690 V / I_e 63 A
Connecting terminals	2 x 16 mm ² - 95 mm ²
Enclosure drilling	2 x M50 metal thread with 2 x M50 screw plug, various cable glands on request
Protection class	I
Degree of protection accd. to EN 60529	IP 66
Enclosure material	Stainless steel AISI 316L
Weight	8.9 kg

¹⁾ extended temperature range on request

Ordering details Wall socket 63 A (stainless steel)

Voltage	h	Rated current	Dimensions in mm (L x W x H)	Weight approx.	Cable entry	Order No.
Wall socket 4-pole						
690 V		63 A	640 x 320 x 270	8.9 kg	2 x M50	GHG 514 4405 R1001
415 V		63 A	640 x 320 x 270	8.9 kg	2 x M50	GHG 514 4406 R1001
500 V		63 A	640 x 320 x 270	8.9 kg	2 x M50	GHG 514 4407 R1001
Wall socket 5-pole						
240 - 415 V		63 A	640 x 320 x 270	8.9 kg	2 x M50	GHG 514 4506 R1001

Ex-wall socket stainless steel 125 A



Wall socket 125 A

Technical data

Ex-wall socket 125 A

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T6 I ⊕ II D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 01 ATEX 1069
IECEX Certificate of Conformity	IECEX BVS 12.0027
Marking accd. to IECEx	Ex de mb IIC T5/T6 Gb Ex tb IIIC T80 °C Db IP66
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	up to 690 V (4-pole) / 415 V (5-pole)
Rated current	125 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 690 V / I _e 125 A
Connecting terminals	2 x 16 mm ² - 95 mm ²
Enclosure drilling	2 x M50 metal thread with 2 x M50 screw plug, various cable glands on request
Protection class	I
Degree of protection accd. to EN 60529	IP 66
Enclosure material	Stainless steel AISI 316L
Weight	9.6 kg

¹⁾ extended temperature range on request

Ordering details Wall socket 125 A (stainless steel)

Voltage	h	Rated current	Dimensions in mm (L x W x H)	Weight approx.	Cable entry	Order No.
Wall socket 4-pole						
690 V		125 A	640 x 320 x 270	9.6 kg	2 x M50	GHG 515 4405 R1001
415 V		125 A	640 x 320 x 270	9.6 kg	2 x M50	GHG 515 4406 R1001
500 V		125 A	640 x 320 x 270	9.6 kg	2 x M50	GHG 515 4407 R1001
250 V		125 A	640 x 320 x 270	9.6 kg	2 x M50	GHG 515 4409 R1001
Wall socket 5-pole						
240 - 415 V		125 A	640 x 320 x 270	9.6 kg	2 x M50	GHG 515 4506 R1001



Wall socket 63/125 A

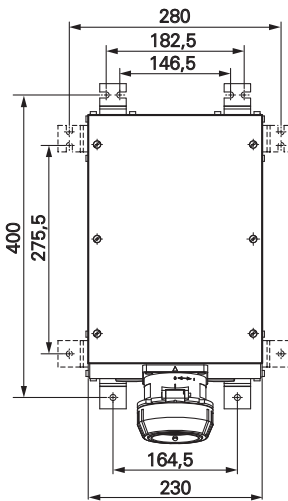
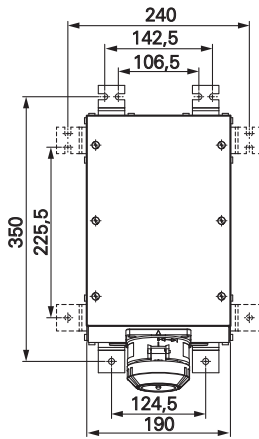


Wall socket 32 A



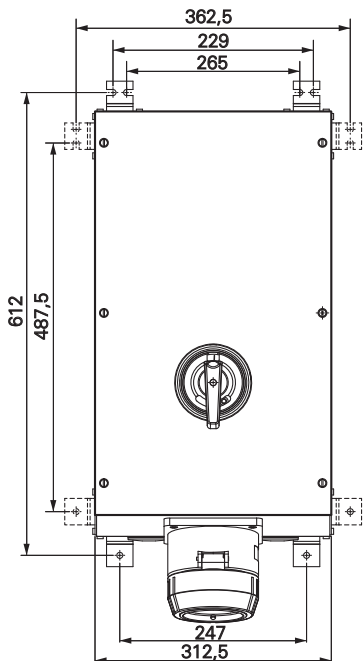
Wall socket 16 A

Dimension drawing



Wall socket 16 A

Wall socket 32 A



Wall socket 63 A / 125 A

1.3

GHG 51 Ex-Wall Socket with RCD/MCB

1 Enclosure solutions with RCD/MCB (RCBO) 16 A up to 32 A for zone 1, 2, 21 and 22

Customized protection

The new explosion-protected wall sockets with integrated protective device allow the local, customized protection of the connected equipment.

Especially in industrial environments with their numerous sources of danger, the protection of persons always comes first. Here, an RCD/MCB that is connected directly upstream from the end consumers is the optimal solution.

With a tripping current of 10- 500 mA, it provides safe protection against serious injuries due to an electric shock in the event of a fault of the connected equipment. With the built-in RCD/MCB, the feed line and the end unit can be protected individually to suit the required load.

Local safety

With the new RCD/MCB sockets even individual work areas can be isolated with utmost precision while maintenance work is carried out. In case of a fault, only the area affected is switched off – all other areas remain fully functional! In addition, individual areas can be switched off manually and safeguarded against being switched on accidentally with the padlocking facility.

Long cable length-no problem

The reason for the problems is that with increasing cable length the loop impedance increases. An increased resistance extends the release time of a circuit breaker (fuse) or cancels the protection effect. By using the RCD/MCB, integrated directly into the wall socket, the cable lengths are

shortened to the load and minimizes the circuit malfunction.

The RCD/MCB sockets allow direct, on-site access to the safety devices. As a result, you can act more flexibly and your reaction times are reduced drastically.

Proven technology

The concept of the new RCD/ MCB sockets is based on our tried-and-tested RCD/ MCB enclosure concept in conjunction with our robust flange sockets and the built-in Ex-d components that can be operated easily at any time via a hinged actuating flap.



Features

- New standard for Ex-wall sockets with personal protection
- Standard-enclosure for various requirements
- Lockable actuating flap
- MCB 10 - 500 mA
- Product series for 16 A and 32 A rated current
- High ingress protection IP 66



Technical data

Ex-wall socket 16 - 32 A with RCD/MCB

Marking accd. to 2014/34/EU	⊕ II G Ex de IIC T4 ⊕ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1044
IECEX Certificate of Conformity	IECEX BKI 06.007
Marking accd. to IECEx	Ex de IIC T4 ExtD A21 IP66 T80 °C
Permissible ambient temperature	-20 °C up to +40 °C ²⁾
Rated voltage	24 V / 130 V / 230 V / 400 V (AC)
Rated current	16 A / 32 A
Connecting terminals	16 A: 2 x 6mm ² / 32 A: 2 x 16mm ²
Cable glands / enclosure drilling	2 x M25 x 1,5 (16 A), 2 x M40 x 1,5 (32 A)
Insulation class	I
Degree of protection to EN 60529	IP66
Enclosure material	Enclosure: GRP ¹⁾ / flange socket: polyamide

¹⁾ Other types on request (other RCBOs or enclosure materials GRP/stainless steel)

²⁾ extended temperature range on request

Ordering details wall socket with RCD/MCB (RCBO)

Voltage	No. of poles/h	Rated current	Dimension in mm (L x B x H)	Weight approx.	Cable gland	Order-No.
Typ 1 with RCBO 16 A 30 mA						
110 - 130 V	3-pol. 4 h	16 A	372 x 135 x 136	2,4 kg	2 x M25	GHG 619 0001 R0007
24 V	3-pol. 8 h	16 A	372 x 135 x 136	2,4 kg	2 x M25	GHG 619 0001 R0008
220 - 250 V	3-pol. 6 h	16 A	372 x 135 x 136	2,4 kg	2 x M25	GHG 619 0001 R0009
Typ 2 with RCD/MCB 16 A 30 mA						
110 - 130 V	5-pol. 4 h	16 A	372 x 271 x 136	2,7 kg	2 x M25	GHG 619 0001 R0010
380 - 415 V	5-pol. 6 h	16 A	372 x 271 x 136	2,7 kg	2 x M25	GHG 619 0001 R0011
Typ 3 with RCD/MCB 32 A 30 mA						
110 - 130 V	5-pol. 4 h	32 A	522 x 271 x 136	3,5 kg	2 x M40	GHG 619 0001 R0013
380 - 415 V	5-pol. 6 h	32 A	522 x 271 x 136	3,5 kg	2 x M40	GHG 619 0001 R0014

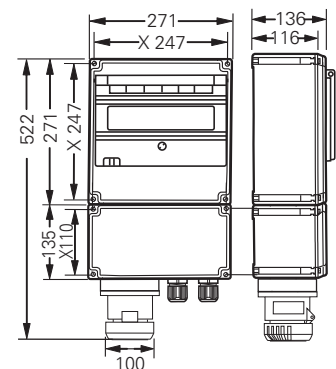
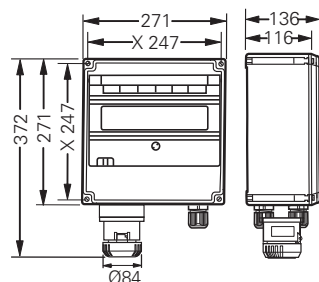
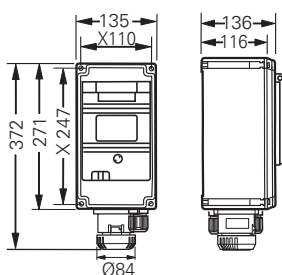
Dimension drawing

Type 1

X = fixing dimensions

Type 2

Type 3



Dimensions in mm

1.4

GHG 51 Ex-Plugs and Receptacles with Status LED

1 From 16 A - 125 A for zone 1, 2, 21 and 22

Operating conditions at a glance

The integrated white LED with green coloured lens indicates different operating conditions of the used type of wall socket.

Type Line:

Indicates, when the wall socket is connected to mains

Type Load:

Indicates, when the plug is correctly inserted and switched
CEAG plugs and receptacles offer more, apart from the proven technology, this product series is

defined by its innovative details.

For example, the very efficient cable strain relief or the coding system of the various versions offers different solutions for a secure and problem-free utilization in all areas.

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.



Features

- Interlocking switch design
- Easy plug-in & disconnect
- Self-cleaning multi-lamella contact design with low transition resistance
- High level of ingress protection (IP66) even in its plugged-in state
- High durability and chemical resistance
- Wide product range for international applications: 16 A - 125 A Series 1
- Fully compatible with existing plugs of the proven GHG 51 ... series...



Wall socket 125 A



Wall socket 63 A



Wall socket 32 A



Wall socket 16 A

Technical data

Ex-wall socket 16 A- 125 A acc. to IEC 60309-1/2 up to 690 V

Marking accd. to 2014/34/EU	⊕ D II 2 G Ex ed IIC T6 / ⊕ D II 2 D Ex tD A21 IP66 T80°C
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	230/400 V AC
Frequency	50/60 Hz
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure material	glass-fibre reinforced polyester

Wall socket 16 A

EC-Type Examination Certificate	PTB 99 ATEX 1039
Rated making / Rated breaking capacity	AC-3 accd. EN 60947-3: U _e 690 V / I _e 16 A
Cable entry	1 x M25 cable gland, 1 x M25 thread plug plastic
Rated current	16 A
External back-up fuse, max.	without therm. protection: 16 A/ with therm. protection 35 A gG (rated current 16 A set to)
Connecting terminals	2 x 1.5 - 4 mm ²

Wall socket 32 A

EC-Type Examination Certificate	PTB 99 ATEX 1044
IECEX Certificate of conformity	IECEX BKI 06.0007
Marking accd. to IECEx	Ex de ia/ib m [ia/ib] IIC T4...T6
Rated making / Rated breaking capacity	AC-3 accd. EN 60947-3: U _e 690 V / I _e 32 A
Cable entry	1 x M40 cable gland, 1 x M40 thread plug plastic
Rated current	32 A
External back-up fuse, max.	without therm. protection: 32 A/ with therm. protection 50 A gG (rated current 32 A set to)
Connecting terminals	2 x 4 - 10 mm ²

Wall socket 63 A

EC-Type Examination Certificate	PTB 00 ATEX 1070
Rated making / Rated breaking capacity	AC-3 accd. EN 60947-3: U _e 690 V / I _e 63 A
Cable entry	1 x M50 cable gland, 1 x M50 thread plug plastic
Rated current	63 A
External back-up fuse, max.	without therm. protection: 63 A/ with therm. protection 80 A gG (rated current 63 A set to)
Connecting terminals	2 x 4 - 25 mm ²

Wall socket 125 A

EC-Type Examination Certificate	PTB 01 ATEX 1069
Rated making / Rated breaking capacity	AC-3 accd. EN 60947-3: U _e 690 V / I _e 125 A
Cable entry	1 x M63 cable gland, 1 x M63 thread plug plastic
Rated current	125 A
External back-up fuse, max.	without therm. protection: 125 A/ with therm. protection 125 A gG (rated current 125 A set to)
Connecting terminals	2 x 4 - 70 mm ²

¹⁾ extended temperature range on request
 Details for used cable glands see pages 2.3.ff

Ex-wall sockets 16 A- 125 A with status LED



Wall socket 16 A



Wall socket 32 A



Wall socket 63 A



Wall socket 125 A

Ordering details 16/32/63/125 A 3-pole, 4-pole and 5-pole up to 415V

Voltage	h	Type	Weight approx.	Order No.
Type 16 A line				
110 V - 130 V	4 h	Wall socket - 3 pole	1.3 kg	GHG 511 4304 R0301
200 V - 250 V	6 h	Wall socket - 3 pole	1.3 kg	GHG 511 4306 R0301
110 V - 130 V	4 h	Wall socket - 5 pole	1.9 kg	GHG 511 4504 R0301
380 V - 415 V	6 h	Wall socket - 5 pole	1.9 kg	GHG 511 4506 R0301
380 V - 415 V	8 h	Wall socket - 5 pole	1.9 kg	GHG 511 4508 R0301
Type 16 A load				
110 V - 130 V	4 h	Wall socket - 3 pole	1.3 kg	GHG 511 4304 R0351
200 V - 250 V	6 h	Wall socket - 3 pole	1.3 kg	GHG 511 4306 R0351
110 V - 130 V	4 h	Wall socket - 5 pole	1.9 kg	GHG 511 4504 R0351
380 V - 415 V	6 h	Wall socket - 5 pole	1.9 kg	GHG 511 4506 R0351
380 V - 415 V	8 h	Wall socket - 5 pole	1.9 kg	GHG 511 4508 R0351
Type 32 A line				
110 V - 130 V	4 h	Wall socket - 5 pole	2.8 kg	GHG 619 0001 R0001
380 V - 415 V	6 h	Wall socket - 5 pole	2.8 kg	GHG 619 0001 R0002
380 V - 415 V	8 h	Wall socket - 5 pole	2.8 kg	GHG 619 0001 R0003
Type 32 A load				
110 V - 130 V	4 h	Wall socket - 5 pole	2.8 kg	GHG 619 0001 R0004
380 V - 415 V	6 h	Wall socket - 5 pole	2.8 kg	GHG 619 0001 R0005
380 V - 415 V	8 h	Wall socket - 5 pole	2.8 kg	GHG 619 0001 R0006
Type 63 A line				
110 V - 130 V	4 h	Wall socket - 5 pole	8.2 kg	GHG 514 4504 R0301
380 V - 415 V	6 h	Wall socket - 5 pole	8.2 kg	GHG 514 4506 R0301
380 V - 415 V	8 h	Wall socket - 5 pole	8.2 kg	GHG 514 4508 R0301
Type 63 A load				
110 V - 130 V	4 h	Wall socket - 5 pole	8.2 kg	GHG 514 4504 R0351
380 V - 415 V	6 h	Wall socket - 5 pole	8.2 kg	GHG 514 4506 R0351
380 V - 415 V	8 h	Wall socket - 5 pole	8.2 kg	GHG 514 4508 R0351
Type 125 A line				
110 V - 130 V	4 h	Wall socket - 5 pole	12.6 kg	GHG 515 4504 R0301
380 V - 415 V	6 h	Wall socket - 5 pole	12.6 kg	GHG 515 4506 R0301
380 V - 415 V	8 h	Wall socket - 5 pole	12.6kg	GHG 515 4508 R0301
Type 125 A load				
110 V - 130 V	4 h	Wall socket - 5 pole	12.6 kg	GHG 515 4504 R0351
380 V - 415 V	6 h	Wall socket - 5 pole	12.6 kg	GHG 515 4506 R0351
380 V - 415 V	8 h	Wall socket - 5 pole	12.6 kg	GHG 515 4508 R0351

Other voltage ranges and h-codes on request.



Wall socket 16 A



Wall socket 32 A

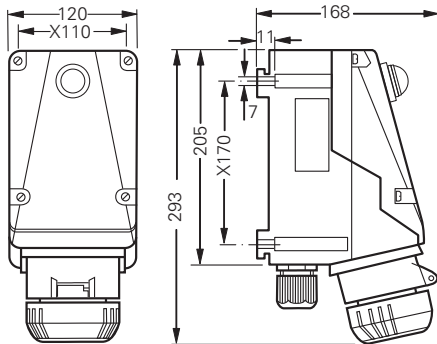


Wall socket 63 A

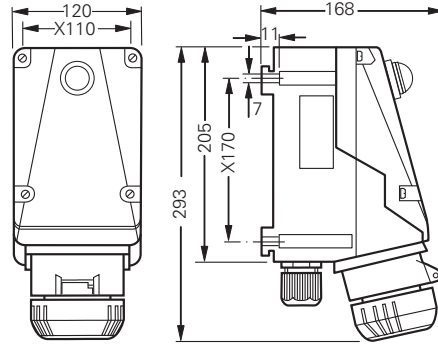


Wall socket 125 A

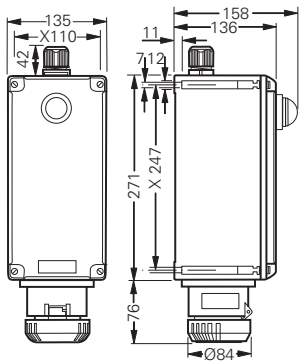
Dimension drawing | Wiring diagram



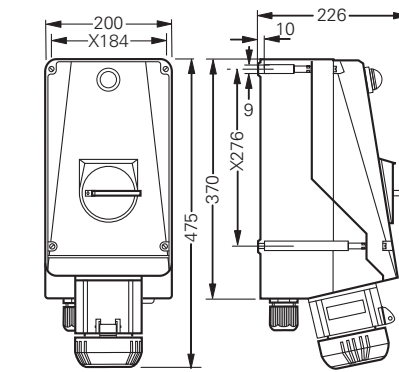
Wall socket 16 A 3-pole



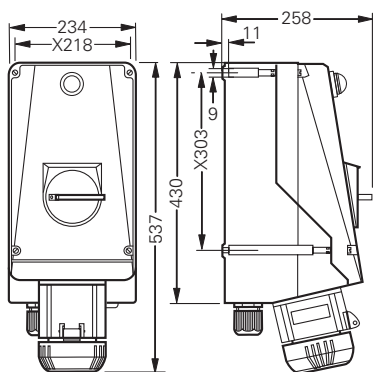
Wall socket 16 A 5-pole



Wall socket 32 A 5-pole

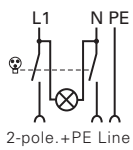


Wall socket 63 A 5-pole

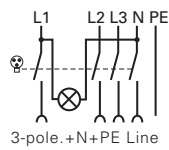


Wall socket 125 A 5-pole

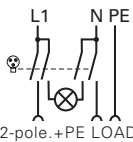
X = fixing dimensions



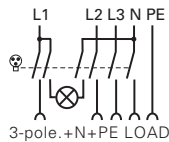
2-pole. +PE Line



3-pole. +N+PE Line



2-pole. +PE LOAD



3-pole. +N+PE LOAD

Light Metal Ex-Plugs and Sockets

1 16 A metal design for zone 1 and 2

Customized protection

The explosion-protected light metal plugs and receptacle devices 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 receptacle devices with high-quality cast aluminium housings can be connected to a large connecting room via explosion-proof conduits or explosion-proof screwed connections.

Flameproof enclosure

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 contacts are executed according to IEC 60309. Connecting terminals are in an Ex-e chamber, all other parts are Ex-d protected.



Features

- Ex-d enclosure
- High mechanical, chemical and thermal resistance conduit
- Connecting technology



Technical data

Ex-d plugs and receptacles 16 A	
Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T6
EC-Type Examination Certificate	LOM 03 ATEX 2019
Permissible ambient temperature	-20 °C to +55 °C ¹⁾
Rated voltage	see ordering details
Rated current	16 A
Frequency	50/60 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 415 V / I _e 16 A
External back-up fuse, max.	without therm. protection: 16 A / with therm. protection: 35 A gG
Degree of protection accd. to EN 60529	IP65
Enclosure material	light alloy, polyester powder coated
Wall socket	
Cable entry	2 x 3/4", ISO 7/1, one plugged
Connecting terminals	2 x 1.0 - 2.5 mm ²
Plug	
Cable entry	Ø 8.5 - 13.5 mm
Connecting terminals	1 x 1.0 - 2.5 mm ² / PE: 1 x 1.5 - 6 mm ²

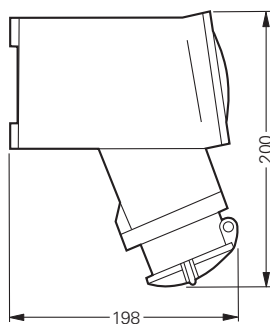
¹⁾ extended temperature range on request

Ordering details

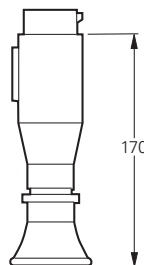
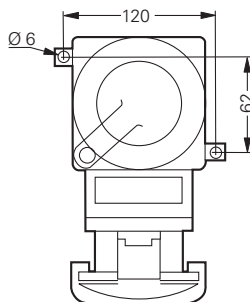
Voltage ¹⁾	h	Type	Weight approx.	Order No.
Type 16 A 3-pole				
220 - 250 V	6	Wall socket	2.7 kg	NOR 000 003 230 016
	6	Plug	0.55 kg	NOR 000 003 230 058
Type 16 A 4-pole				
380 - 415 V	6	Wall socket	2.7 kg	NOR 000 003 230 024
	6	Plug	0.55 kg	NOR 000 003 230 066
Type 16 A 5-pole				
380 - 415 V	6	Wall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

¹⁾ other voltage ranges on request

Dimension drawing



Wall socket



Plug

No. of poles	A
3-pole	Ø 56 mm
4-pole	Ø 66 mm
5-pole	Ø 70 mm

X = fixing dimensions

Dimensions in mm

1.6

Ex-Plugs and Receptacles Plastic Version for Zone 2

1 16 A to 125 A

A good connection

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

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

A high safety standard, a steady hold and faultless contacting

even under vibration or the effects of an aggressive atmospheric environment are the basis for a secure and reliable utilisation

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

the user in the normal industrial sector becomes exactly the same product advantages. Robust industrial versions fulfil all requirements pertaining to mechanical and chemical durability.

For the stationary repair power supplying in hazardous explosive areas, there is a specially conceived version available that fulfils all the necessary safety requirements. Used in a module sense, individual solutions are no problem at all.

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

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



Features

- 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

Ex-plugs and receptacles zone 2: 16 A 3/4/5-pole up to 690 V



Plug



Coupler



Flange socket



Wall socket

1

Technical data

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

Marking accd. to 2014/34/EU	⊕ II 3 G Ex nC IIC T5/T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20°C up to +40°C ¹⁾
Rated voltage	up to 400 V (3-pole) / 750 V (4-pole) / 500 V (5-pole) AC
Rated current	up to 16 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	400 V / 16 A
External back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gG (rated current 16 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket

Cable entry	1 x M25 cable gland, 1 x M25 plastic Ex-screw plug or 2 x metal thread M20 with plastic Ex-screw plug
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

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

Coupler

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

Flange socket

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

¹⁾ extended temperature range on request

Details for used cable glands see pages 2.3.ff

Ex-plugs and receptacles zone 2: 16A 3/4/5-pole up to 690 V



Wall socket



Flange socket



Coupler



Plug

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		0.35 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	1.4 kg	GHG 516 4409 R0001
		Wall socket	ME	1.5 kg	GHG 516 4409 R3001
		Flange socket		3.8 kg	GHG 516 8409 R0001
		Coupler		0.9 kg	GHG 516 3409 R0001
		Plug		0.38 kg	GHG 516 7409 R0001
380-415 V		Wall socket	KU	1.4 kg	GHG 516 4406 R0001
		Wall socket	ME	1.5 kg	GHG 516 4406 R3001
		Flange socket		3.8 kg	GHG 516 8406 R0001
		Coupler		0.9 kg	GHG 516 3406 R0001
		Plug		0.38 kg	GHG 516 7406 R0001
480-500 V		Wall socket	KU	1.4 kg	GHG 516 4407 R0001
		Wall socket	ME	1.5 kg	GHG 516 4407 R3001
		Flange socket		3.8 kg	GHG 516 8407 R0001
		Coupler		0.9 kg	GHG 516 3407 R0001
		Plug		0.38 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		3.8 kg	GHG 516 8405 R0001
		Coupler		0.9 kg	GHG 516 3405 R0001
		Plug		0.38 kg	GHG 516 7405 R0001
Type 16 A 5-pole					
200-250 V 380-415 V		Wall socket	KU	1.4 kg	GHG 516 4506 R0001
		Wall socket	ME	1.5 kg	GHG 516 4506 R3001
		Flange socket		0.4 kg	GHG 516 8506 R0001
		Coupler		0.95 kg	GHG 516 3506 R0001
		Plug		0.42 kg	GHG 516 7506 R0001

other voltage ranges and versions, e.g. with aux. contact, on request

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

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



Plug



Coupler

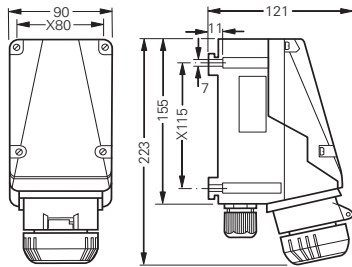


Flange socket

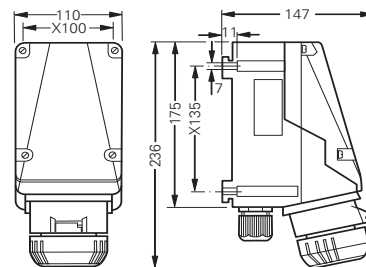


Wall socket

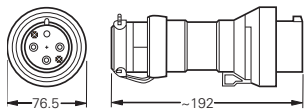
Dimension drawing | Wiring diagram



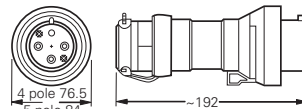
Wall socket 3-pole



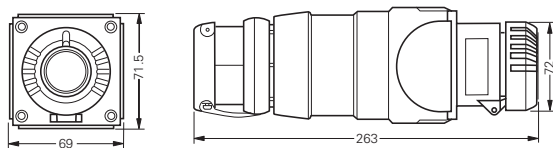
Wall socket 4/5-pole



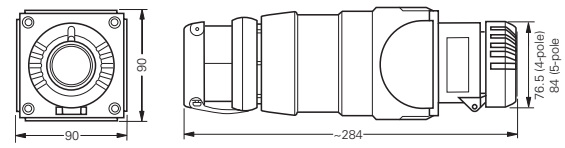
Plug 3-pole



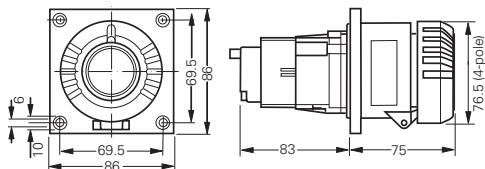
Plug 4/5-pole



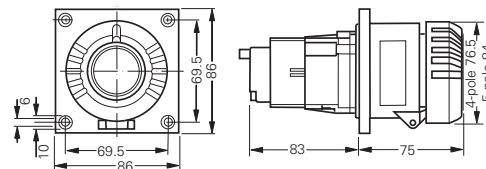
Coupler 3-pole



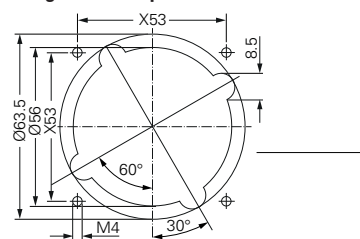
Coupler 4/5-pole



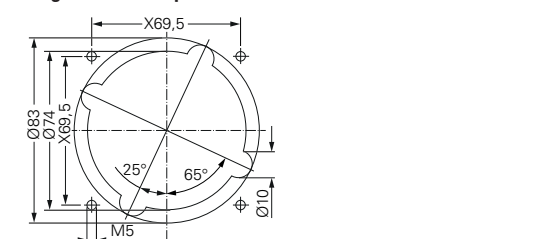
Flange socket 3-pole



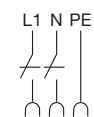
Flange socket 4/5-pole



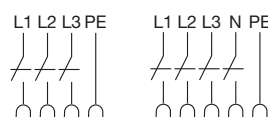
Assembly dimensions flange socket



Assembly dimensions flange socket X = fixing dimensions



1P + N + PE



3P + PE

3P + N + PE



Accessories for Ex-plugs and receptacles 16 A zone 2



Mounting plate



Plug cap



Protective canopy

Accessories

Type	Application	Fixing method	Order No.
Mounting plates for wall sockets 16 A			
Size 4	for wall mounting	snap on	GHG 610 1953 R0126
Size 4	for trellis mounting	snap on	GHG 610 1953 R0126
Size 4	for pipe clamp	snap on	GHG 610 1953 R0130

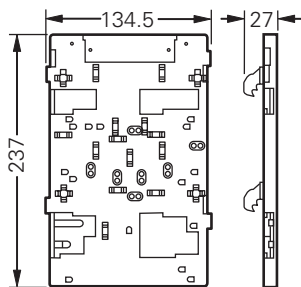
Type	Order No.
Plug cap for plugs 16 A	
Plug 16 A 3-pole	GHG 510 1901 R0001
Plug 16 A 4-pole	GHG 510 1901 R0002
Plug 16 A 5-pole	GHG 510 1901 R0003

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

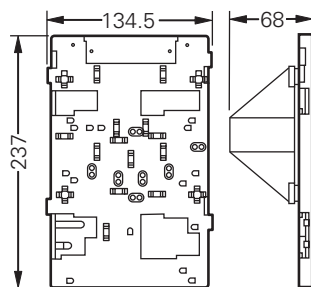
Please pay attention that only order units (OU) according to the ordering details can be delivered.

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

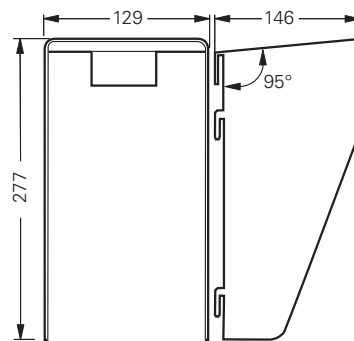
Dimension drawing



Mounting plate size 4
for wall/trellis mounting



Mounting plate size 4
for pipe mounting



Protective canopy size 4



Plug



Coupler



Flange socket



Wall socket

1

Technical data

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

Marking accd. to 2014/34/EU	⊕ II 3 G Ex nC IIC T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	690 V (AC)
Rated current	up to 32 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 690 V / I _e 32 A
External back up fuse	without therm. protection: 35 A with therm. protection: 50 A gG (rated current 32 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

Cable entry/enclosure drilling	1 x M40 cable gland, 1 x M40 plastic Ex-screw plug or 2 x M32 metal thread with 2 plastic Ex-screw plug
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 12 - 28 mm
Connecting terminals	1 x 1.0 - 6 mm ²
Enclosure material	Polyamide

Coupler

Cable entry	Ø 12 - 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

¹⁾ extended temperature range on request

Details for used cable glands see pages 2.3.ff

Ex-plugs and receptacles zone 2: 32 A 3/4/5-pole up to 690 V



Wall socket



Flange socket



Coupler



Plug

Ordering details

Voltage	h	Type	Cable entry	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 380-415 V		Wall socket	KU	1.8 kg	GHG 517 4506 R0001
		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, e.g. with aux. contact, on request

KU = 1 x plastic cable glands M40 cable gland, 1 x M40 plastic Ex-screw plug

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



Plug



Coupler

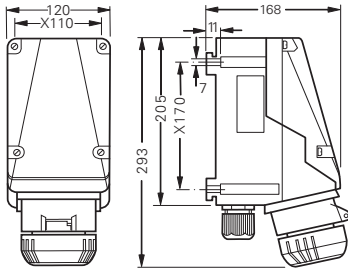


Flange socket

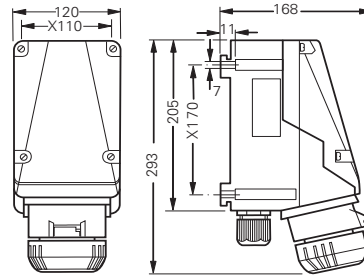


Wall socket

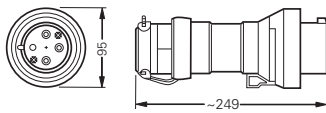
Dimension drawing | Wiring diagram



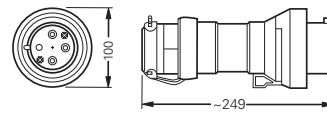
Wall socket 4-pole



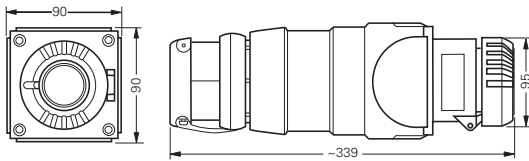
Wall socket 5-pole



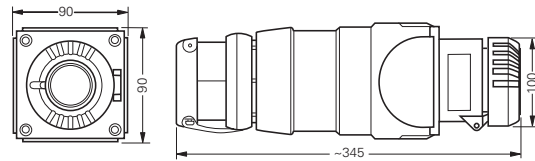
Plug 4-pole



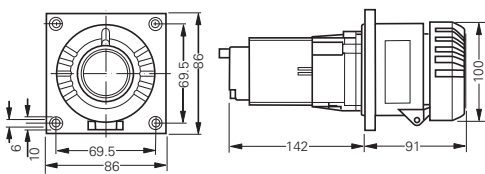
Plug 5-pole



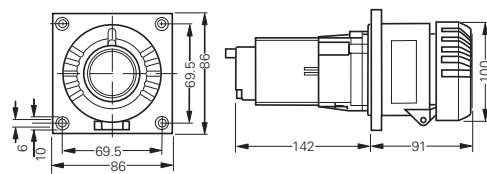
Coupler 4-pole



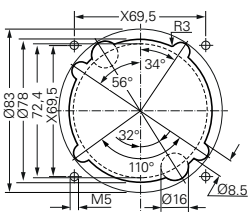
Coupler 5-pole



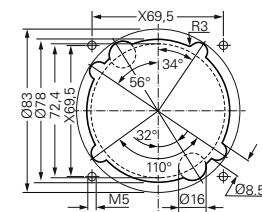
Flange socket 4-pole



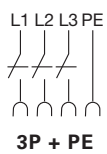
Flange socket 5-pole



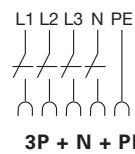
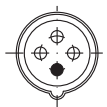
Assembly dimensions flange socket



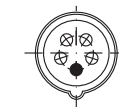
Assembly dimensions flange socket X = fixing dimensions



3P + PE



3P + N + PE



Accessories for Ex-plugs and receptacles 32 A zone 2

1



Mounting plate



Plug cap



Protective canopy

Accessories

Type	Application	Fixing method	Order No.
Mounting plates for wall sockets 32 A			
Size 5	for wall mounting	snap on	GHG 610 1953 R0128
Size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Size 5	for pipe clamp	snap on	GHG 610 1953 R0132

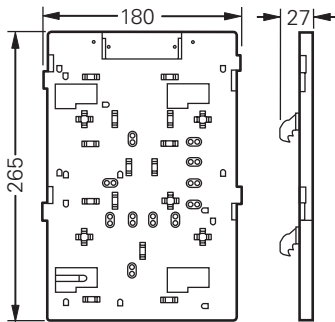
Type	Order No.
Plug cap for plugs 32 A	
Plug 32 A 3-pole/4-pole	GHG 510 1901 R0004
Plug 32 A 5-pole	GHG 510 1901 R0005

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

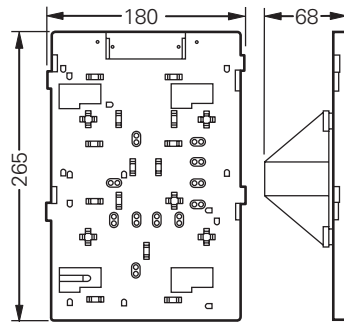
Please pay attention that only order units (OU) according to the ordering details can be delivered.

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

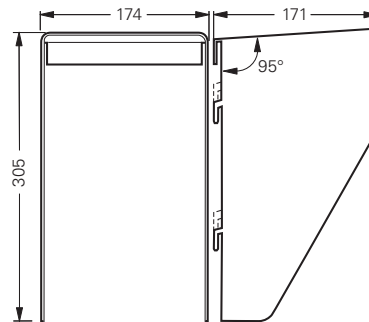
Dimension drawing



Mounting plate size 5
for wall/trellis mounting



Mounting plate size 5
for pipe mounting



Protective canopy size 5

Dimensions in mm



Plug



Wall socket

1

Technical data

Ex-plugs and receptacles acc. to IEC 60309-1/2 up to 690 V

Marking accd. to 2014/34/EU	⊕ II 3 G Ex nC IIC T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20 °C to + 40 °C ¹⁾
Rated voltage	690 V
Rated current	63 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_e 690 V / I_e 63 A
External back up fuse	without therm. protection: 63 A with therm. protection: 80 A gG (rated current 63 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

Cable gland	Ø 19 - 34 mm
Connecting terminals	1 x 4 - 16 mm ² / 1 x 25 mm ² with pin cable lug
Enclosure material	Polyamide

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

³⁾ see accessories

Details for used cable glands see pages 2.3.ff

Ex-plugs and receptacles zone 2: 63 A 3/4/5-pole up to 690 V

1



Wall socket








Plug



Plug cap

Ordering details

Voltage	h	Type	Cable entry	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 380-415 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

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

other voltage ranges and versions, e.g. with aux. contact, on request

KU = 1 x plastic cable glands M40 cable gland, 1 x M40 plastic Ex-screw plug

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



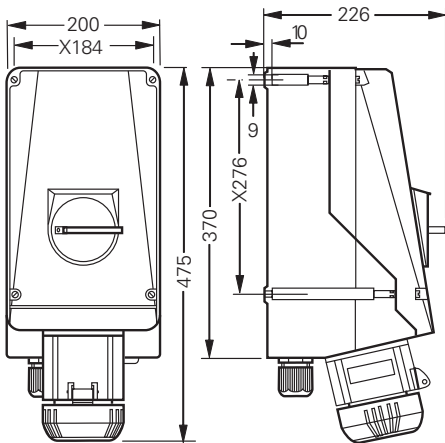
Plug



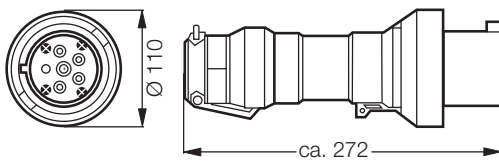
Wall socket

1

Dimension drawing | Wiring diagram

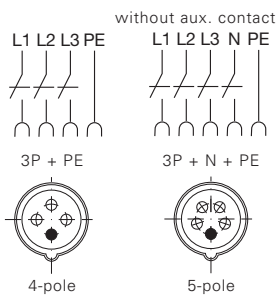


Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions



Ex-plugs and receptacles zone 2: 125 A 3/4/5-pole up to 690 V

1



Wall socket



Plug

Technical data

Ex-plugs and receptacles acc. to IEC 60309-1/2 to 690 V

Marking accd. to 2014/34/EU	⊕ II 3 G Ex de IIC T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20 °C to + 40 °C ¹⁾
Rated voltage	690 V
Rated current	125 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 690 V / I _e 125 A
External back up fuse	without therm. protection: 125 A with therm. protection: 160 A gG (rated current 125 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

Cable entry/enclosure drilling	1 x M63 cable gland, 1 x M63 plastic Ex-screw plug or 1 x M50, 1 x M50 plastic Ex-screw plug
Connecting terminals	2 x 4 - 70 mm ² / with cable lug ²⁾ 1 x 120 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 31 - 58 mm
Connecting terminals	1 x 4 - 35 mm ² / with pin cable lug ³⁾ 1 x 50 mm ²
Enclosure material	Polyamide

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

³⁾ see accessories

Details for used cable glands see pages 2.3.ff

Ex-plugs and receptacles zone 2: 125 A 3/4/5-pole up to 690 V



Plug



Wall socket

1

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 380-415 V		Wall socket	KU	13.0 kg	GHG 519 4506 R0001
		Wall socket	ME	13.2 kg	GHG 519 4506 R3001
		Plug		1.2 kg	GHG 519 7506 R0001

Accessories

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

other voltage ranges and versions, e.g. with aux. contact, on request

KU = 1 x plastic cable glands M40 cable gland, 1 x M40 plastic Ex-screw plug

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

Ex-plugs and receptacles zone 2: 125 A 3/4/5-pole up to 690 V

1

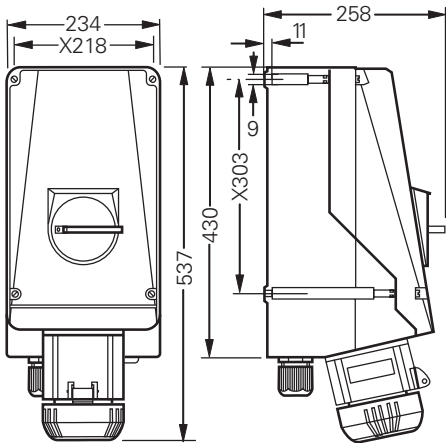


Wall socket

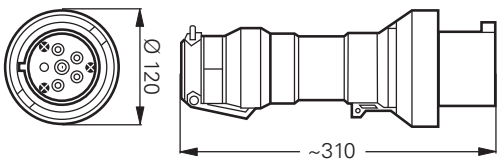


Plug

Dimension drawing | Wiring diagram

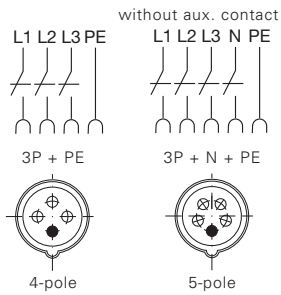


Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions



Dimensions in mm



V1307A04B01
Lagerbehälter 1304B01
Abwasser
V1307A04B01
V1307A04B01

Plugs and Receptacles Plastic Version for Industrial Applications

16 A to 125 A

Not explosion-protected, but proven CEAG quality

CEAG plugs and receptacles are not only robust, they are also very reliable. In the "normal" industrial environment plugs and receptacles are exposed to similar conditions (chemical and mechanical) as their explosion-protected counterparts. With the introduction of the plug and receptacle generation Crouse-Hinds has now a complete program for industrial usage.

Easy to install

The wall sockets can simply be clipped-onto pre-installed mounting plates without having to use tools. These high quality plugs and receptacles warranty 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 receptacle generation.

Degree of protection: IP66

Plugs and receptacles 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 and North American market.



Features

- High impact resistant
- Low engaging force
- Safety standard IP66 applies also in plugged-in condition
- Self-cleaning lamellar contacts, low transition resistance
- Fibre-glass reinforced polyester housings
- Interlocking switch

Plugs and receptacles for industrial use: 16 A 3/4/5-pole up to 415 V



Plug



Coupler



Flange socket



Wall socket

1

Technical data

Plugs and receptacles - industrial use acc. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20 °C to +40 °C / -45 °C to +55 °C (optional) ¹⁾
Rated voltage	415 V (3-pole) / 690 V (4-/5-pole)
Rated current	16 A
Frequency	50/60 Hz
External back-up fuse, max.	without therm. protection: 16 A
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket with interlock switch

Rated making / Rated breaking capacity AC-3 accd. EN 60947-3 for wall socket with switch	U_e 500 V / I_e 20 A
Cable entry	1 x M25 cable gland, 1 x M25 thread plug plastic
Connecting terminals	2 x 1.5 – 4 mm ²
Enclosure material	glass-fibre reinforced polyester

Wall socket without switch

Cable entry	2 x M25 top, 2 x M25 bottom
Connecting terminals	2 x 1.5 – 4 mm ²
Enclosure material	Polyamide

Plug

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

Coupler

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

Flange socket/inlet

Connecting terminals	2 x 1.5 – 4 mm ²
Enclosure material	Polyamide

¹⁾ extended temperature range on request

Details for used cable glands see pages 2.3.ff

Plugs and receptacles for industrial use: 16 A 3/4/5-pole up to 415 V

1



Wall socket w. interlock switch



Inlet










Coupler



Plug

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 interlock 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 interlock 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 interlock 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 interlock 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 380-415 V		Wall socket	0.90 kg	GHG 521 2506 R0001
		Wall socket with interlock switch	1.65 kg	GHG 521 4506 R0001
		Plug	0.42 kg	GHG 521 7506 R0001
		Coupler	0.75 kg	GHG 521 3506 R0001
		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



Plug



Coupler

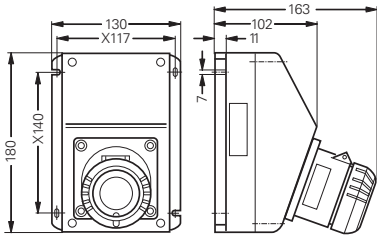


Flange socket

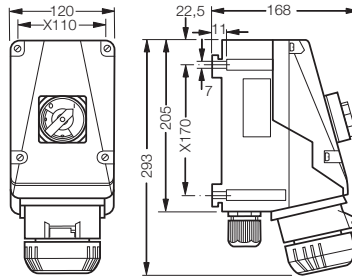


Wall socket w. switch 5-pole

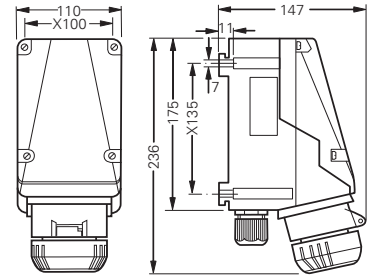
Dimension drawing | Wiring diagram



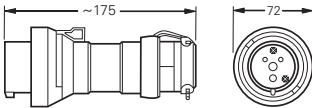
Wall socket without switch 3, 4, 5-pole



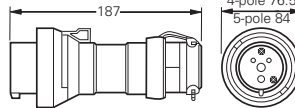
Wall socket 4-pole with switch



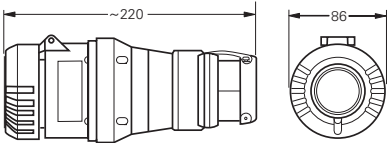
Wall socket 5-pole with switch



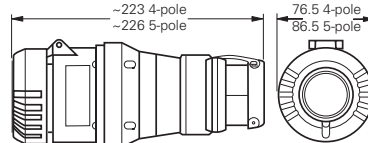
Plug 3-pole



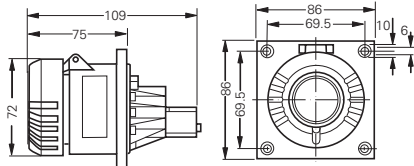
Plug 4/5-pole



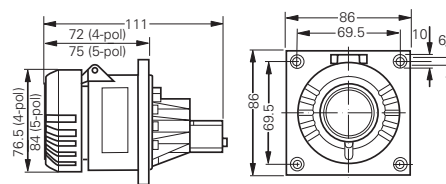
Coupler 3-pole



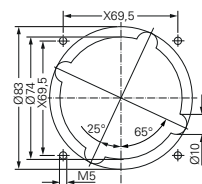
Coupler 4/5-pole



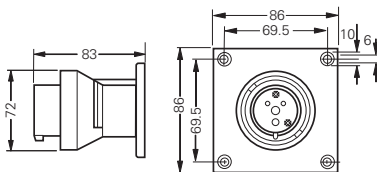
Flange socket 3-pole



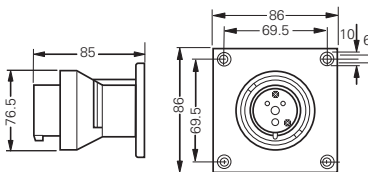
Flange socket 4/5-pole



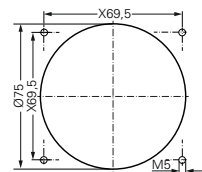
Assembly dimensions flange socket 5 pole



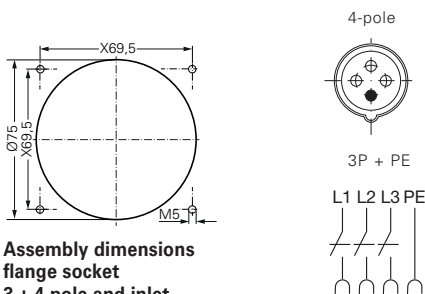
Inlet 3-pole



Inlet 4/5-pole



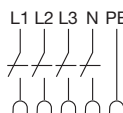
Assembly dimensions inlet 5 pole



Assembly dimensions flange socket 3 + 4 pole and inlet

without aux. contact

3P + N + PE



5-pole



X = fixing dimensions

Accessories plugs and receptacles 16 A for industrial use



Mounting plate



Plug cap



Protective canopy

Accessories

Type	Application	Fixing method	Order No.
Mounting plates for wall sockets 16 A			
Size 4	for wall mounting	snap on	GHG 610 1953 R0126
Size 4	for trellis mounting	snap on	GHG 610 1953 R0126
Size 4	for pipe clamp	snap on	GHG 610 1953 R0130

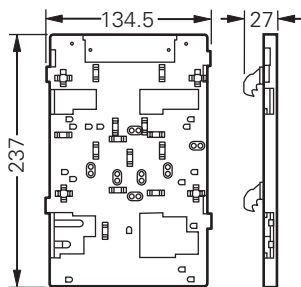
Type	Order No.
Plug cap for plugs 16 A	
Plug 16 A 3-pole	GHG 510 1901 R0001
Plug 16 A 4-pole	GHG 510 1901 R0002
Plug 16 A 5-pole	GHG 510 1901 R0003

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

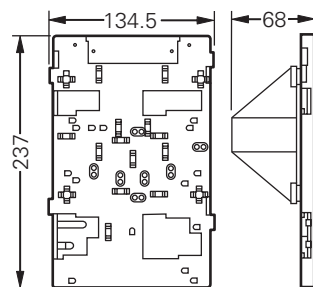
Please pay attention that only order units (OU) according to the ordering details can be delivered.

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

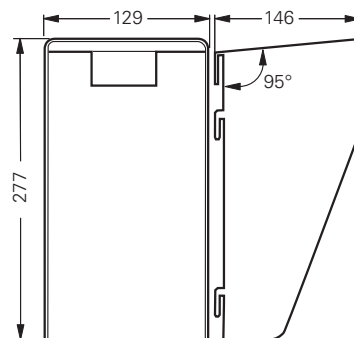
Dimension drawing



Mounting plate size 4
for wall/trellis mounting



Mounting plate size 4
for pipe mounting



Protective canopy size 4

Plugs and receptacles for industrial use: 32 A 4/5-pole up to 415 V



Inlet



Plug



Wall socket



Wall socket w. interlock switch 4-pole

Technical data

Plugs and receptacles - industrial use acc. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20 °C to +40 °C / -45 °C to +55 °C (optional) ¹⁾
Rated voltage	690 V
Rated current	32 A
Frequency	50/60 Hz
External back-up fuse, max.	without therm. protection: 32 A
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket with interlock switch

Rated making / Rated breaking capacity AC-3 accd. EN 60947-3 for wall socket with switch	U_e 500 V / I_e 20 A
Cable entry	1 x M40 cable gland, 1 x M40 thread plug plastic
Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	glass-fibre reinforced polyester

Wall socket without switch

Cable entry	2 x M25 top, M25 bottom
Connecting terminals	1 x 4 – 10 mm ²
Enclosure material	Polyamide

Plug

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

Coupler

Cable entry	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

¹⁾ extended temperature range on request

Details for used cable glands see pages 2.3.ff

Plugs and receptacles for industrial use: 32 A 4/5-pole up to 415 V

1



Wall socket



Flange socket








Coupler



Plug

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 interlock 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 interlock 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 interlock 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 interlock 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 380-415 V		Wall socket	1.1 kg	GHG 522 2506 R0001
		Wall socket with interlock 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

Plugs and receptacles for industrial use: 32 A 4/5-pole up to 415 V



Plug



Coupler

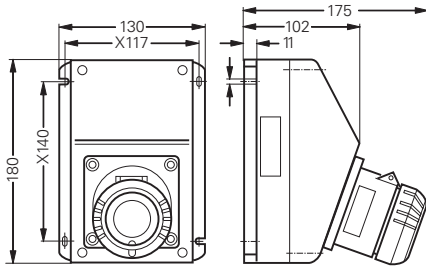


Flange socket

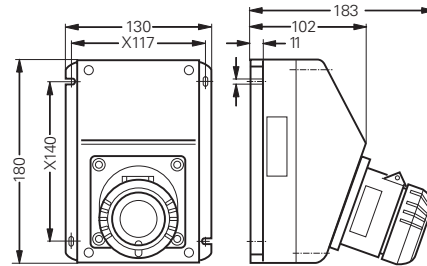


Wall socket w. interlock switch 5-pole

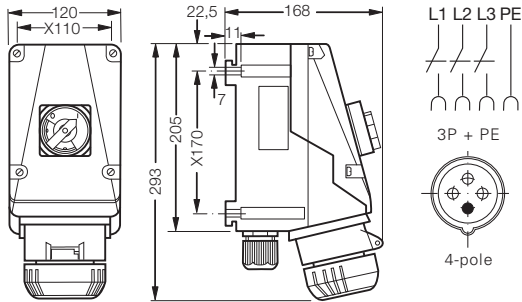
Dimension drawing | Wiring diagram



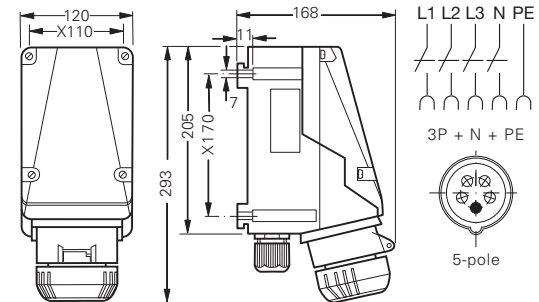
Wall socket 4-pole



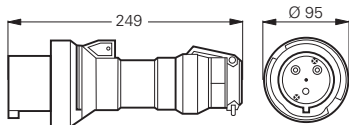
Wall socket 5-pole



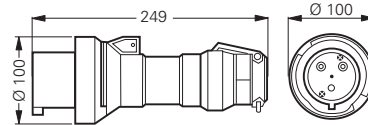
Wall socket with interlock switch 4-pole



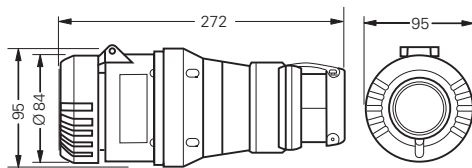
Wall socket with interlock switch 5-pole



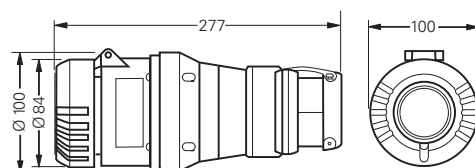
Plug 4-pole



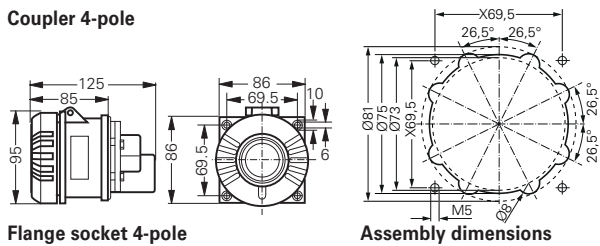
Plug 5-pole



Coupler 4-pole

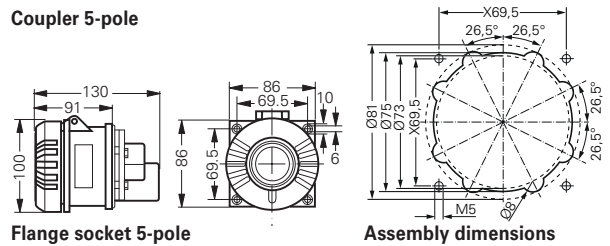


Coupler 5-pole



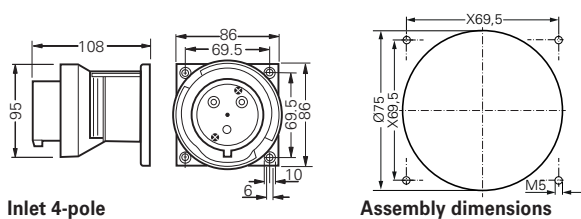
Flange socket 4-pole

Assembly dimensions



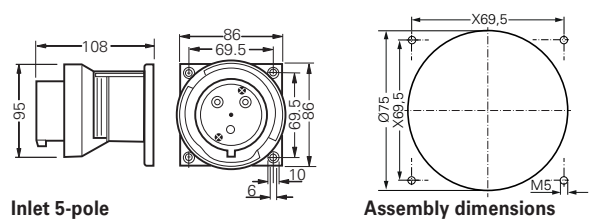
Flange socket 5-pole

Assembly dimensions



Inlet 4-pole

Assembly dimensions



Inlet 5-pole

Assembly dimensions

X = fixing dimensions

Dimensions in mm

Accessories plugs and receptacles 32 A for industrial use



Mounting plate



Plug cap



Protective canopy

Accessories

Type	Application	Fixing method	Order No.
Mounting plates for wall sockets 32 A			
Size 5	for wall mounting	snap on	GHG 610 1953 R0128
Size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Size 5	pipe clamp	snap on	GHG 610 1953 R0132

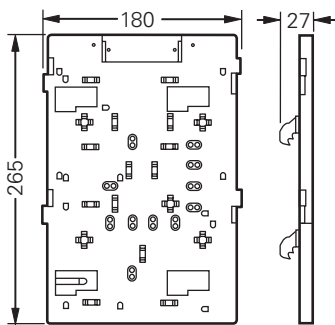
Type	Order No.
Plug cap for plugs 32 A	
Plug 32 A 3-pole/4-pole	GHG 510 1901 R0004
Plug 32 A 5-pole	GHG 510 1901 R0005

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

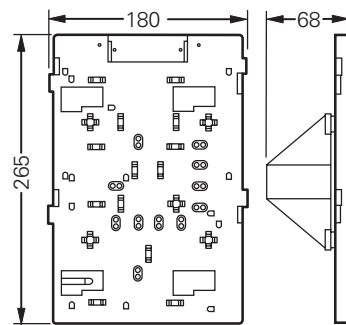
Please pay attention that only order units (OU) according to the ordering details can be delivered.

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

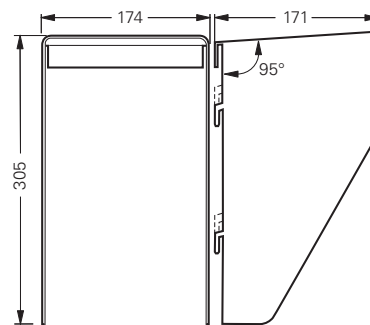
Dimension drawing



Mounting plate size 5
for wall/trellis mounting



Mounting plate size 5
for pipe mounting



Protective canopy size 5

Dimensions in mm

Plugs and receptacles for industrial use: 63 A 4/5-pole up to 690 V



Inlet



Coupler



Flange socket



Wall socket w. interlock switch

Technical data

Plugs and receptacles - industrial use acc. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20 °C to +40 °C / -45 °C to +55 °C (optional) ¹⁾
Rated voltage	690 V
Rated current	63 A
Frequency	50/60 Hz
External back-up fuse, max.	without therm. protection: 63 A
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket with interlock switch

Rated making / Rated breaking capacity AC-23 accd. EN 60947-3 for wall socket with switch	U_e 415 V / I_e 63 A
Cable entry	1 x M50 cable gland, 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 entry	Ø 19 - 34 mm
Connecting terminals	1 x 4 – 16 mm ² / with pin cable lug ²⁾ 1 x 35 mm ²
Enclosure material	Polyamide

Coupler

Cable entry	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

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

Details for used cable glands see pages 2.3.ff

Plugs and receptacles for industrial use: 63 A 4/5-pole up to 690 V

1



Wall socket w. interlock switch



Flange socket



Coupler



Plug

Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 63 A 4-pole				
200-250 V		Wall socket with interlock 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 interlock 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 interlock 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 interlock 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 interlock 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

Type	OU	Order No.
Plug cap for plugs		
Set of pin cable lug 35 mm ² (5 pcs. for plug)	5	GHG 510 1916 R0001
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0006



Plug



Coupler

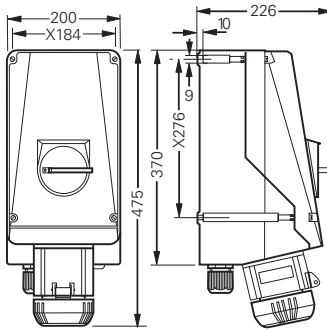


Inlet

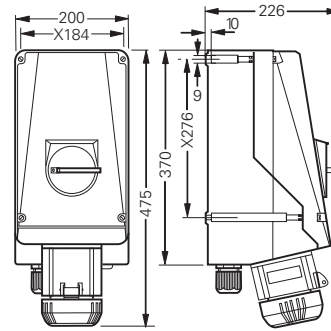
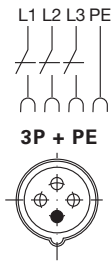


Wall socket w. interlock switch

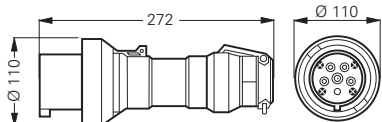
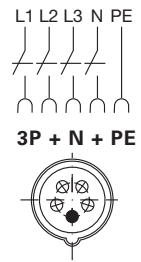
Dimension drawing | Wiring diagram



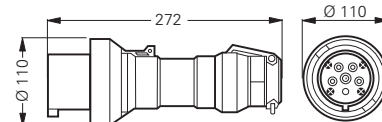
Wall socket 4-pole



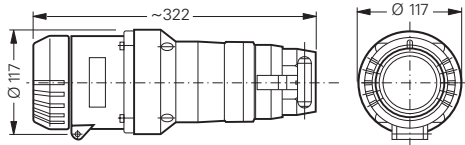
Wall socket 5-pole



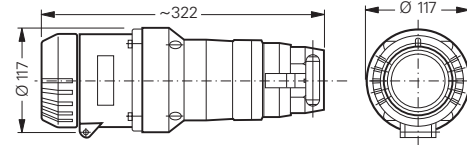
Plug 4-pole



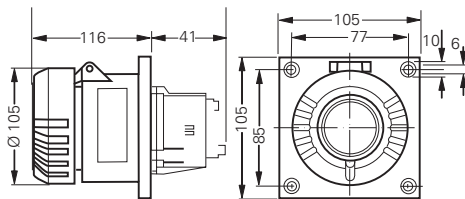
Plug 5-pole



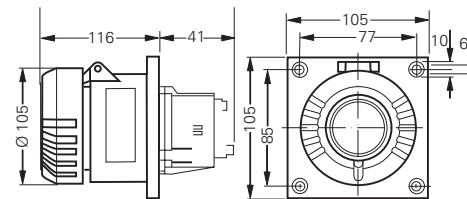
Coupler 4-pole



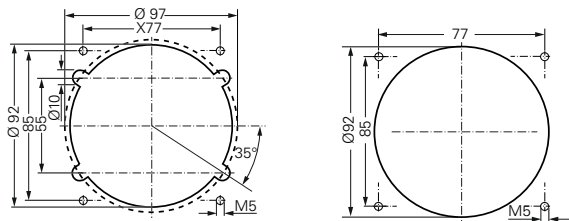
Coupler 5-pole



Flange socket 4-pole

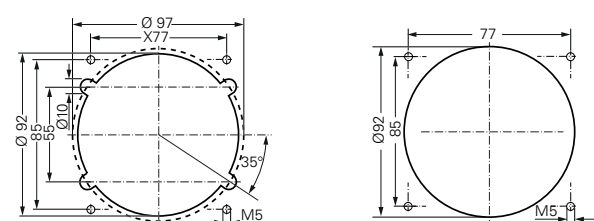


Flange socket 5-pole



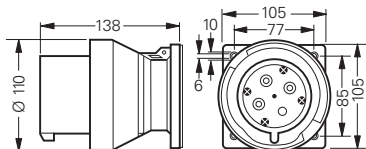
Assembly dimensions flange socket

Assembly dimensions inlet

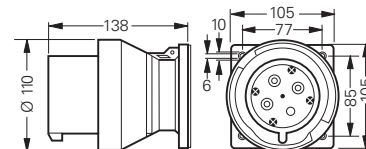


Assembly dimensions flange socket

Assembly dimensions inlet



Inlet 4-pole



Inlet 5-pole

X = fixing dimensions

Plugs and receptacles for industrial use: 125 A 4/5-pole up to 690 V

1



Wall socket w. interlock switch



Inlet



Plug

Technical data

Plugs and receptacles - industrial use acc. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20 °C to +40 °C / -40 °C to +55 °C (optional) ¹⁾
Rated voltage	690 V~
Rated current	125 A
Frequency	50/60 Hz
External back-up fuse, max.	without therm. protection: 125 A
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket with interlock switch

Rated making / Rated breaking capacity AC-23 accd. EN 60947-3 for wall socket with switch	U_e 415 V / I_e 90 A
Cable entry	1 x M63 cable gland, 1 x M63 thread plug plastic
Connecting terminals	2 x 10 – 70 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 31 - 58 mm
Connecting terminals	1 x 2.5 – 35 mm ² / with pin cable lug ²⁾ 35 mm ²
Enclosure material	Polyamide

Inlet

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

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

Details for used cable glands see pages 2.3.ff

Plugs and receptacles for industrial use: 125 A 4/5-pole up to 690 V



Plug



Inlet



Wall socket w. interlock switch

1

Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 125 A 4-pole				
200-250 V		Wall socket with interlock switch	8.6 kg	GHG 525 4409 R0001
		Plug	1.3 kg	GHG 525 7409 R0001
		Inlet	0.9 kg	GHG 525 9409 R0001
380-415 V		Wall socket with interlock switch	8.6 kg	GHG 525 4406 R0001
		Plug	1.3 kg	GHG 525 7406 R0001
		Inlet	0.9 kg	GHG 525 9406 R0001
480-500 V		Wall socket with interlock switch	8.6 kg	GHG 525 4407 R0001
		Plug	1.3 kg	GHG 525 7407 R0001
		Inlet	0.9 kg	GHG 525 9407 R0001
600-690 V		Wall socket with interlock switch	8.6 kg	GHG 525 4405 R0001
		Plug	1.3 kg	GHG 525 7405 R0001
		Inlet	0.9 kg	GHG 525 9405 R0001
Type 125 A 5-pole				
200-250 V 380-415 V		Wall socket with interlock switch	8.8 kg	GHG 525 4506 R0001
		Plug	1.4 kg	GHG 525 7506 R0001
		Inlet	1.1 kg	GHG 525 9506 R0001

Other voltage ranges and versions available on request

Accessories

Type	OU	Order No.
Plug cap for plugs		
Set of pin cable lug 50 mm ² (5 pcs. for plug)	5	GHG 510 1916 R0002
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0007

Plugs and receptacles for industrial use: 125 A 4/5-pole up to 690 V

1



Wall socket w. interlock switch

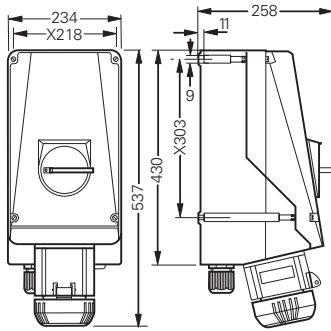


Inlet

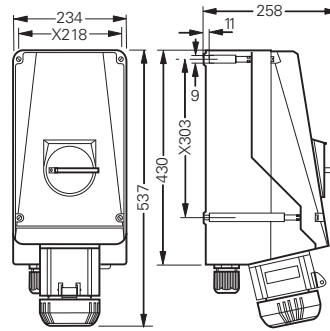
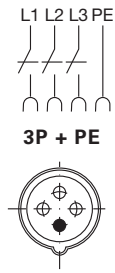


Plug

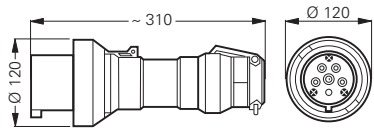
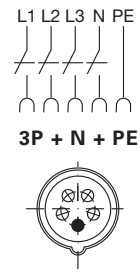
Dimension drawing | Wiring diagram



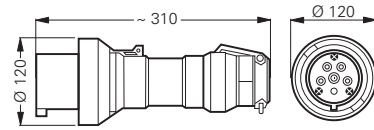
Wall socket 4-pole



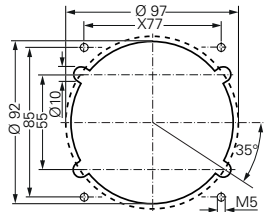
Wall socket 5-pole



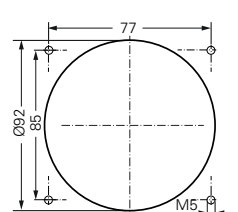
Plug 4-pole



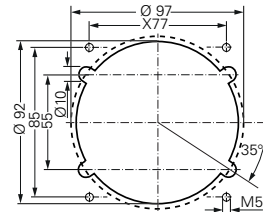
Plug 5-pole



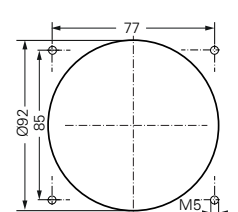
Assembly dimensions flange socket



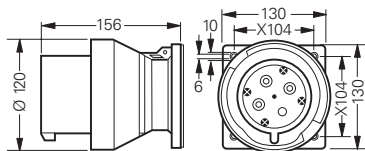
Assembly dimensions inlet



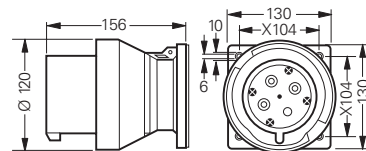
Assembly dimensions flange socket



Assembly dimensions inlet



Inlet 4-pole



Inlet 5-pole

X = fixing dimensions

Dimensions in mm



1.8

Ex-Repair and Maintenance Receptacles

1 16 A up to 63 A plugs and receptacles plastic version for zones 1, 2, 21 and 22

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 receptacles 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 receptacles is selectively possible after a hot work permit has been issued.

The CEAG repair and maintenance receptacles with and

without an interlocking switch can be used with both industry and Ex-plugs. Interlocked repair and maintenance receptacles have an internal switch who prevents that a plug can be pulled out while power is on. The interlock is activated by turning the plug.

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.



Features

- 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

Ex-repair- and maintenance receptacles: 16 A 3-pole and 5-pole up to 415 V



non-interlocked



non-interlocked



interlocked

1

Technical data

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

Marking accd. to 2014/34/EU	⊕ II 2 G Ex ed IIC T6 / ⊕ II 2 D Ex tD A21 IP66 T80 °C/T95 °C
EC-Type Examination Certificate	PTB 00 ATEX 1032 X
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	up to 440 V (AC)
Rated current	16 A (AC)
Frequency	50/60 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 415 V / I _e 16 A
External back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gG (rated current 16 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable entry	1 x M25 cable gland, 1 x M25 plastic Ex-screw plug or 2 x metal thread M20 with plastic Ex-screw plug
Connecting terminals	2 x 1.0 - 4 mm ²
Enclosure material	glass-fibre reinforced polyester

¹⁾ extended temperature range on request

Details for used cable glands see pages 2.3.ff

Ex-repair- and maintenance receptacles: 16 A 3-pole and 5-pole up to 415 V



interlocked



non-interlocked



non-interlocked

Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.	
Type CEE 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	
		Plug			GHG 511 7306 R0001	
Type CEE 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	
		Plug			GHG 511 7306 R0001	
Type 16 A 2-pole, non-interlocked „PE-contact“						
230 V		Wall socket ¹⁾	KU	1.2 kg	GHG 511 4306 R0902	
		Wall socket ¹⁾	ME	1.3 kg	GHG 511 4306 R3903	
		Wall socket ¹⁾	GM	1.3 kg	GHG 511 4306 R3904	
		Schutzkontakt ¹⁾				
Type CEE 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
		Plug				GHG 511 7506 R0001
Type CEE 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
		Plug				GHG 511 7506 R0001

Other voltage ranges and versions available on request

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

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

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

KH = 2 x plastic cable glands M25 cable gland, with aux. contact, 1 x NO

¹⁾ Not compatible with GHG 511 7306 R0001

Ex-repair- and maintenance receptacles: 16 A 3-pole and 5-pole up to 415 V



non-interlocked

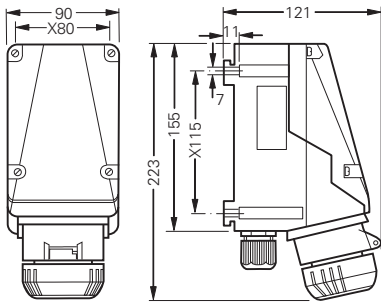


non-interlocked

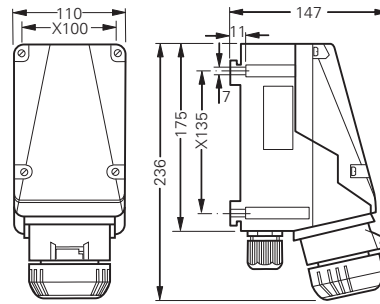


interlocked

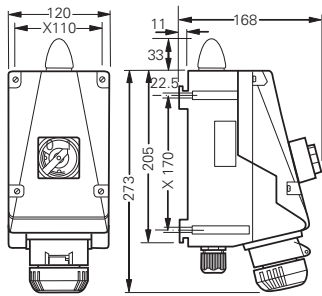
Dimension drawing | Wiring diagram



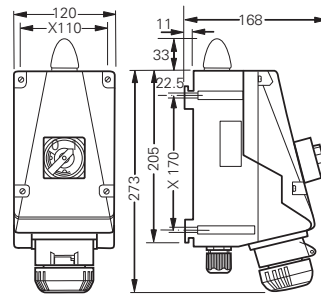
Wall socket interlocked 3-pole



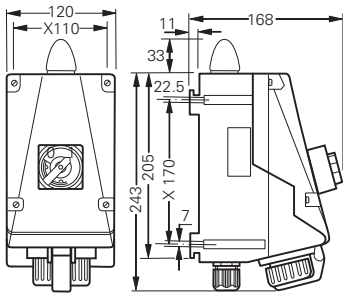
Wall socket interlocked 5-pole



Wall socket non-interlocked 3-pole



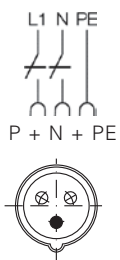
Wall socket non-interlocked 5-pole



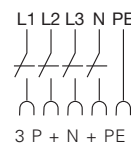
Wall socket non-interlocked with earthing contact 3-pole

X = fixing dimensions

with earthing contact

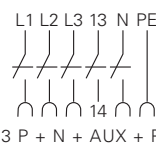


without aux. contact



3 P + N + PE

with aux. contact



3 P + N + AUX + PE



Ex-repair- and maintenance receptacles: 32 A 5-pole up to 415 V

1



interlocked



non-interlocked

Technical data

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

Marking accd. to 2014/34/EU	Ⓔ II 2 G Ex ed IIC T6 / Ⓔ II 2 D Ex tD A21 IP66 T80 °C / T95 °C
EC-Type Examination Certificate	PTB 00 ATEX 1032 X
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	440 V (AC)
Rated current	32 A
Frequency	50/60 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 690 V / I _e 32 A
External back-up fuse, max.	without therm. protection: 35 A with therm. protection: 50 A gG (rated current 32 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable entry	1 x M40 cable gland, 1 x M40 plastic Ex-screw plug or 2 x metal thread M32 with plastic Ex-screw plug
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	glass-fibre reinforced polyester

¹⁾ extended temperature range on request

Details for used cable glands see pages 2.3.ff

Ex-repair- and maintenance receptacles: 32 A 5-pole up to 415 V



non-interlocked



interlocked

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

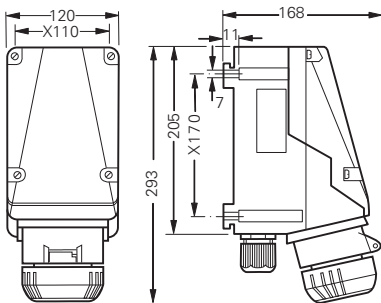
Other voltage ranges and versions available on request.

KU = 1 x plastic cable glands M40 cable gland, 1 x M40 plastic Ex-screw plug

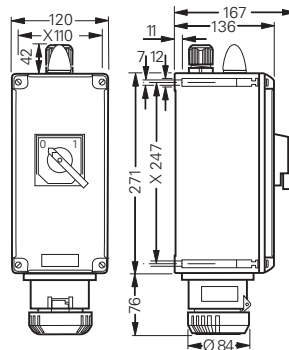
ME = 2 x metal thread M32 with plastic Ex-screw plug

KH = 1 x plastic cable glands M40 cable gland,
1 x plastic cable glands M25 cable gland

Dimension drawing | Wiring diagram



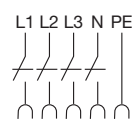
Wall socket interlocked 5-pole



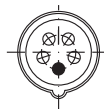
Wall socket non-interlocked 5-pole

X = fixing dimensions

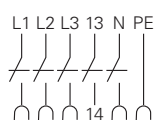
without
aux. contact



3 P + N + PE



with
aux. contact



3 P + N + AUX + PE

Ex-repair- and maintenance receptacles: 63 A 5-pole up to 415 V

1



interlocked



non-interlocked

Technical data

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

Marking accd. to 2014/34/EU	⊕ II 2 G Ex ed IIC T6 / ⊕ II 2 D Ex tD A21 IP66 T80 °C/T95 °C
EC-Type Examination Certificate	PTB 00 ATEX 1032 X
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	550 V (AC)
Rated current	63 A (AC)
Frequency	50/60 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_e 690 V / I_e 63 A
External back-up fuse, max.	without therm. protection: 63 A with therm. protection: 80 A gG (rated current 63 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable entry	1 x M50 cable gland, 1 x M50 plastic Ex-screw plug 2 x metal thread M40 with plastic Ex-screw plug
Connecting terminals	2 x 4 - 25 mm ²
Enclosure material	glass-fibre reinforced polyester

¹⁾ extended temperature range on request

Details for used cable glands see pages 2.3.ff



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

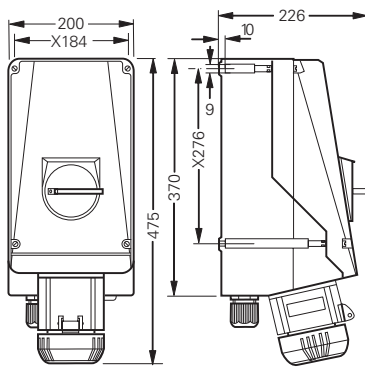
125 A and other versions on request

KU = 1 x plastic cable glands M50 cable gland, 1 x M50 plastic Ex-screw plug

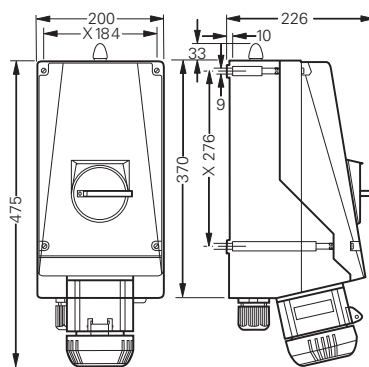
ME = 2 x metal thread M40 with plastic Ex-screw plug

KH = 1 x plastic cable glands M50 cable gland,
1 x plastic cable glands M25 cable gland, with aux. contact, 1 x NO

Dimension drawing | Wiring diagram

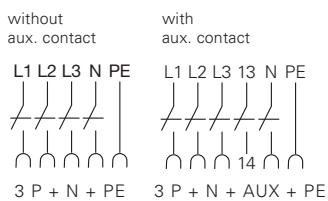


Wall socket interlocked 5-pole



Wall socket non-interlocked 5-pole

X = fixing dimensions



Ex-Repair and Maintenance Receptacle Distribution

1 40 A and 80 A distribution plastic version for zones 1 and 2

Maintenance procedure

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 environ-

ment has to be free of all explosive hazardous atmospheres.

The CEAG explosion-protected repair and maintenance receptacle 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 receptacle distributions is selectively possible after a hot work permit has been issued.

All sockets are equipped with high quality switches and RCDs and have separate MCB's.

Repair and maintenance sockets have a red signal lamp on the top side of the housing showing the actual state of connection.



Features

- Industrial electrical devices 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 capability
- High mechanical, chemical and thermal resistance
- Sockets can be locked separately

Repair receptacle distributions 40 A and 80 A



1

Technical data

Repair receptacle distributions	
Marking accd. to 2014/34/EU	⊕ II 2 G Ex 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) ¹⁾
Rated voltage	400 V
Rated current	40 A / 80 A
Frequency	50 - 60 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	40 A switch: U_b 400 V / I_b 40 A 80 A switch: U_b 400 V / I_b 80 A
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure material	glass-fibre reinforced polyester
Enclosure colour	black

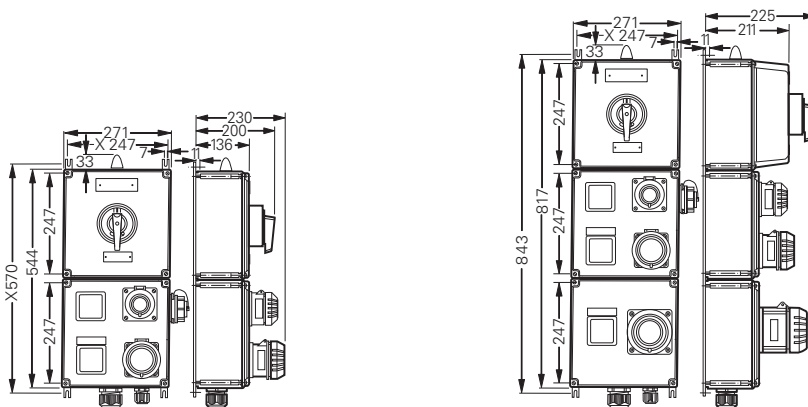
Ordering details

Number of components	Circuit	Order No.
1 switch, 4-pole, 40 A, 1 RCD 40/0,03 A; 1 IEC 60309-socket, 16 A, 1 MCB, 3-pole, 16 A 1 IEC 60309-socket, 32 A, 1 MCB, 3-pole, 32 A 1 earthed socket 16 A, 1 MCB, 1-pole, 16 A 1 signal lamp 1 cable gland M40 cable gland 1 cable gland M25 cable gland Weight: 8.5 kg		GHG 981 0042 R0001
1 switch, 4-pole, 80 A, 1 RCD 80/0,03 A 1 IEC 60309-socket, 16 A, 1 MCB, 3-pole, 16 A 1 IEC 60309-socket, 32 A, 1 MCB, 3-pole, 32 A 1 IEC 60309-socket, 63 A, 1 MCB, 3-pole, 63 A 1 earthed socket 16 A, 1 MCB, 1-pole, 16 A 1 signal lamp 1 cable gland M50 cable gland 1 cable gland M25 cable gland Weight: 15 kg		GHG 981 0043 R0001

Other types on request / Customer specifications on request

¹⁾ extended temperature range on request

Dimension drawing



Repair socket distributions 40 A

Repair socket distributions 80 A

X = fixing dimensions

Dimensions in mm

1.10

Ex-Portable Multi-Outlet Distributions and Cable Reels

1 16 A and 32 A for Zone 1 and Zone 21

Flexible power connection

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 receptacles 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 potential equalisation 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
- maintenance operation



Features

- High IP 66 protection
- Portable distribution of electricity via sockets in the area at risk of explosions
- Mechanical, chemical and thermal resistance
- Variable socket combinations
- Easy handling even with gloves




16A 5-pole



16A 3-pole

Technical data

16 A 3-pole I 16 A 5-pole

Marking accd. to 2014/34/EU	 II 2 G Ex ed IIC T6
EC-Type Examination Certificate	PTB 02 ATEX 1035
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	3-pole 16 A: up to 500 V / 5-pole 16 A: up to 400 V
Rated current	16 A
Frequency	50/60 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_g 690 V / I_g 16 A
External back up fuse	without thermal protection: 16 A with thermal protection: 25 A gG (rated current 16 A set to)
Degree of protection accd. to EN 60529	IP66
Cable entry/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

¹⁾ extended temperature range on request

Ex-Portable outlet distributions 16 A 3-pole, 5-pole

1



16A 5/3-pole



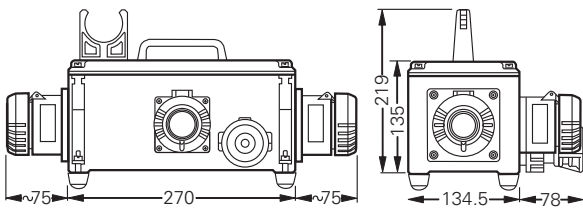
16A 3/5-pole

Ordering details

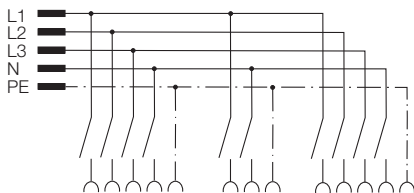
Design	Version	Order No.
Type design with 2 m connecting cable		
2 x socket 16 A 1 x socket 16 A	3-pole 5-pole	GHG 931 0003 R0011
1 x socket 16 A 2 x socket 16 A	3-pole 5-pole	GHG 931 0003 R0012
3 x socket 16 A	3-pole	GHG 931 0003 R0013
Type design with 5 m connecting cable		
2 x socket 16 A 1 x socket 16 A	3-pole 5-pole	GHG 931 0003 R0021
1 x socket 16 A 2 x socket 16 A	3-pole 5-pole	GHG 931 0003 R0022
3 x socket 16 A	3-pole	GHG 931 0003 R0023
Type design with 7 m connecting cable		
2 x socket 16 A 1 x socket 16 A	3-pole 5-pole	GHG 931 0003 R0008
1 x socket 16 A 2 x socket 16 A	3-pole 5-pole	GHG 931 0003 R0009
3 x socket 16 A	3-pole	GHG 931 0003 R0010

Other configurations on request.

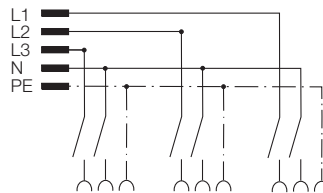
Dimension drawing | Wiring diagram



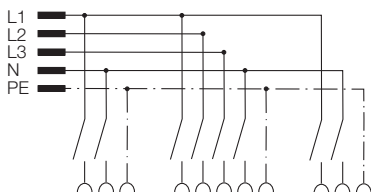
Socket distribution 16A 3-pole/5-pole



2 x 5-pole, 1 x 3-pole



3 x 3-pole



2 x 3-pole, 1 x 5-pole

Dimensions in mm



Stainless steel

Technical data

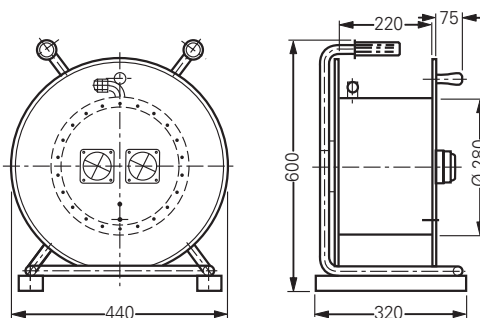
Cable reel stainless steel	
Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T6
EC-Type Examination Certificate	PTB 08 ATEX 1073
Permissible ambient temperature	-20 °C ... +55 °C ¹⁾
Rated voltage	3-pole: 415 V 5-pole: 500 V (690 V up to 5 h)
Rated current	16 A/32 A
Frequency	50/60 Hz
External back up fuse	without thermal protection: 16 A with thermal protection: 25 A gG (rated current 16 A set to)
Protection class	I
Degree of protection accd. to EN 60529	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
Enclosure material	Cable reel: enclosure stainless steel Plug and flange socket: polyamide

¹⁾ extended temperature range on request

Ordering details

Design	Version	Order No.
Stainless steel 16 A design with 20 m connecting cable HO7...		
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 HO7...		
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

Dimension drawing



Dimensions in mm

Ex-Protected Portable Power Supply Units

1 16 A – 125 A for Zone 1

Mobile power supply everywhere

Special requirements apply for power distributions for the use and operation of portable equipment in hazardous areas in Zones 1, 2, 21 and 22. It is necessary to ensure that any external mechanical influences are effectively kept away from the equipment.

CEAG explosion-protected power distributions fulfil these high mechanical explosion protection requirements by means of a high-strength protective

framework made of stainless steel (1.4301) and enclosures that have been specially developed for this purpose.

Whether in accordance with customer requirements or as a series product, sizes 16 A – 125 A are possible. All the electrical outgoing circuits can be fitted with separate MCBs or RCDs. Customized components, such as electronic sub-assemblies, can also be safely built into special, flameproof enclosures with the required Certificate of Conformity.

Degree of protection

The power distributions are fitted with flange sockets that fulfil the high requirements of the degree of protection IP 66, even with plugs inserted.

Thus, these distributions are even suitable for use under most extreme industrial conditions.

For the additional connection to the protective conductor (PE) or equipotential bonding conductor (PA), there is a stud welded directly onto the framework.



Features

- Flexible power distribution in the hazardous area thanks to sockets with lamellar contacts for optimum contact safety
- Padlocking of switch with all-pole disconnection and full AC-3 switching capacity
- High mechanical, chemical and thermal resistance
- Customer specific design



EXKO 233201 A0015

Technical data

Ex-protected portable power supply unit EXKO	
Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T4 / ⊕ II 2 D Ex tD A21 IP65 T95°C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20°C up to +40°C
Rated voltage	400 V / 230 V
Rated current	63 A
Frequency	50 - 60 Hz
Back-up fuse external	63A gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1 x M50 Trumpet shaped cable gland
Enclosure material	sheet steel, painted (option stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	metal frame stainless steel, squared 20 x 20 x 2 including lockable wheels 968 x 800 x 600 mm
Enclosure colour	RAL 7032

Ordering details

Design	Components external	Order No.
1x MCB 4-pole - C40A, 10kA 1x RCD 4-pole - 40A 0.03A 10kA 1x RCD 4-pole - 63A 0.03A, 10kA 3x RCD with overcurrent protection (1-pole+N, C16A/0.03, 10kA) 3x MCB 4-pole - C32A , 10kA	1x Plug 63A 5-pole, 06h (GHG5147506R0001) 1x Wall socket 63A 5-pole, 06h (GHG5144506R0001) 3x Flange socket 32A 5-pole, 06h (GHG5128506R0001) 6x Flange socket 16A 3-pole, 06h (GHG5118306R0001) actuating flap for components	EXKO 233201 A0015

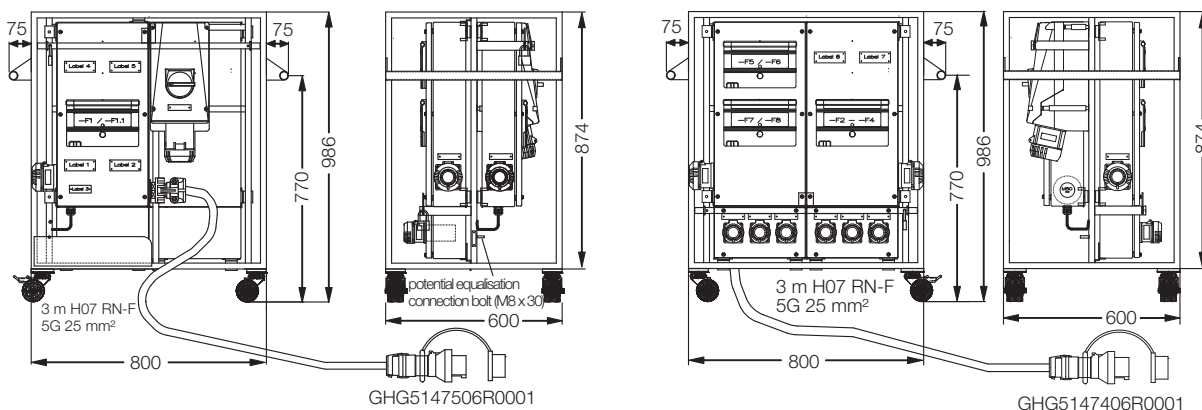
Option:

Padlock facility for enclosure cover

Enclosure material stainless steel AISI 316L

Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Ex-protected portable power supply units



only for illustration

Technical data

Ex-protected portable power supply unit EXKO 233201 A0016

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T4 / ⊕ II 2 D IP65 T95°C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	400 V / 230 V
Rated current	32 A
Frequency	50 Hz
Back-up fuse external	32 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M32 Trumpet shaped cable gland, 1x M12 cable gland plastic
Connecting cable	H07RN-F 5 x 6mm ² with plug 32A, 3 m
Enclosure material	Sheet steel, painted (optional: stainless steel AISI 316L), Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 including lockable wheels 1019 x 800 x 600 mm
Weight	69 kg
Enclosure colour	RAL 7032

Ordering details

Design	Components external	Order No.
1x MCB S204M - C32A, 10kA 1x RCD F204A - 40A 0.03A 10kA 3x RCBO DS971 - C16A 0.03A, 10kA	1x Plug 32A 5-pole, 380-415V (06h) (GHG5127506R0001) 1x Flange socket 32A 5-pole, 380-415V (06h) (GHG5128506R0001) 6x Flange socket 16A 3-pole, 230V (06h) (GHG5118306R0001) actuating flap for components	EXKO 233201 A0016

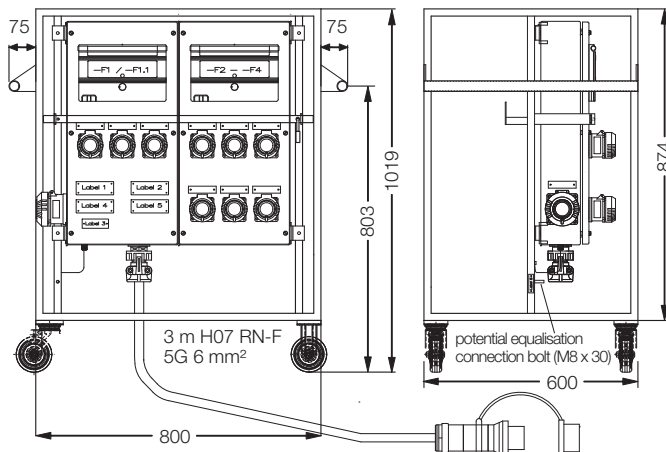
Option:

Padlock facility for enclosure cover

Enclosure material stainless steel AISI 316L

Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm



only for illustration

1

Technical data

Ex-protected portable power supply unit EXKO 233201 A0006

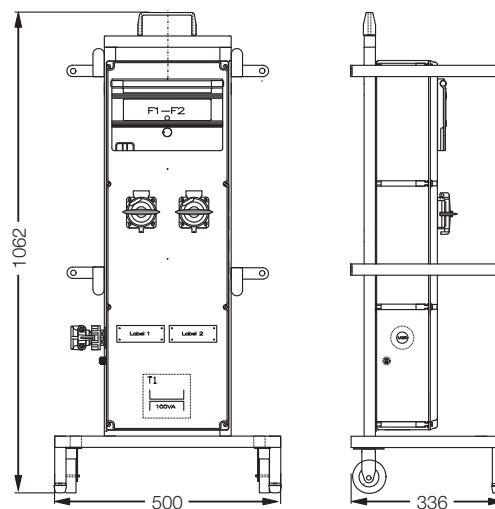
Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	230/24 V transformer, 100 VA
Rated current	16 A
Frequency	50 Hz
Back-up fuse external	16 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M25 Trumpet shaped cable gland, 1x M12 cable gland plastic
Enclosure material	glass-fibre reinforced polyester (option sheet steel, painted or stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 with wheels 1062 x 500 x 336 mm
Weight	30 kg
Enclosure colour	black

Ordering details

Design	Components external	Order No.
1x MCB S202M - K0.5A, 10kA 1x RCBO DS971 - C4A 0.03A, 10kA 1x transformer 230/24V 100VA	2x Flange socket 16A 3-pole, 24V (GHG5420007R0003) actuating flap for components	EXKO 233201 A0006

Option:
 Padlock facility for enclosure cover
 Enclosure material stainless steel AISI 316L
 Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm

Ex-protected portable power supply units



only for illustration

Technical data

Ex-protected portable power supply unit EXKO 233201 A0007

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20°C up to +40°C
Rated voltage	110/24 V transformer, 500 VA
Rated current	16 A
Frequency	50 Hz
Back-up fuse external	25A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1 x M25 Trumpet shaped cable gland, 1 x M12 cable gland plastic
Enclosure material	glass-fibre reinforced polyester (option sheet steel, painted or stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 with wheels 1062 x 774 x 336 mm
Weight	44 kg
Enclosure colour	black

Ordering details

Design	Components external	Order No.
1x MCB S202P - K6A, 10kA 2x MCB S202M - C16A, 10kA 1x transformer 110/24V 550VA	1x Flange socket 16A 3-pole, 110V (GHG5118304R0001) 2x Flange socket 16A 2polig, 24V (GHG5420007R0004) actuating flap for components	EXKO 233201 A0007

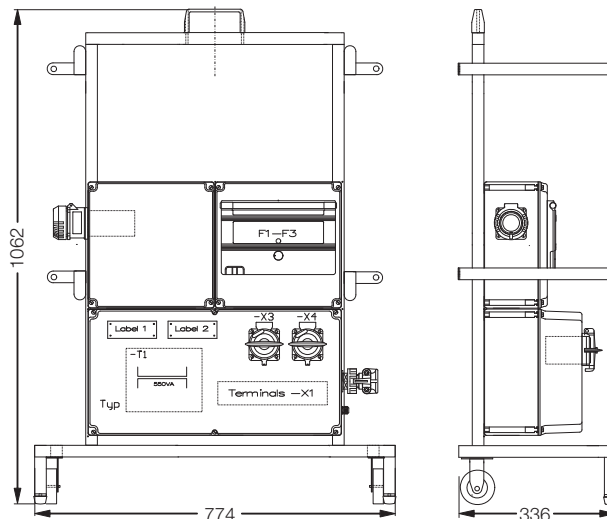
Option:

Padlock facility for enclosure cover

Enclosure material stainless steel AISI 316L

Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm



only for illustration

Technical data

Ex-protected portable power supply unit EXKO 233201 A0014

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20°C up to +40°C
Rated voltage	230/42 V transformer, 550 VA
Rated current	16 A
Frequency	50 - 60 Hz
Back-up fuse external	16 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M25 Trumpet shaped cable gland, 1x M12 cable gland plastic
Connecting cable	H07RN-F 3 x 1.5 mm ² with plug 16A, 3 m
Enclosure material	glass-fibre reinforced polyester (option sheet steel, painted or stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 with wheels 1062 x 500 x 336 mm
Weight	40 kg
Enclosure colour	black

Ordering details

Design	Components external	Order No.
1x MCB S202P - K3A, 10kA 1x MCB S202M - C10A, 10kA 1x transformer 230/42V 550VA	2 x Flange socket 16 A 2-pole, 42 V (GHG5420007R0002) 1 x Plug 16 A 3-pole, 230 V 06 h (GHG5117306R0001) actuating flap for components	EXKO 233201 A0014

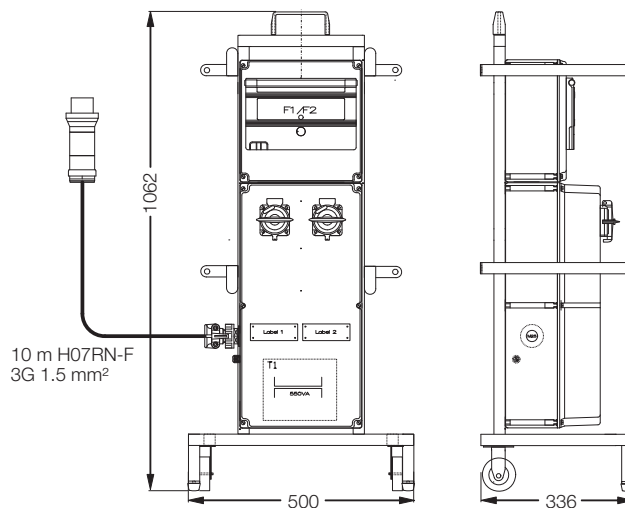
Option:

Padlock facility for enclosure cover

Enclosure material stainless steel AISI 316L

Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm

Ex-protected portable power supply units



EXKO 233201 A0019

Technical data

Ex-protected portable power supply unit EXKO 233201 A0019

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20°C up to +55°C
Rated voltage	240/42 V transformer, 400 VA
Rated current	16 A
Frequency	50 Hz
Back-up fuse external	16 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M32 Trumpet shaped cable gland, 1x M12 cable gland plastic
Enclosure material	Sheet steel (option stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 with wheels 1064 x 612 x 336 mm
Weight	38 kg
Enclosure colour	RAL 7032

Ordering details

Design	Components external	Order No.
1x MCB S202M - K16A, 10kA 1x Ex-d Sicherung 2x T 2A 1x transformer 240/24V 400VA	4x Flange socket 16A 3-pole, 24V (GHG5425300V0000) 4x Plug 16A 3-pole, 24V (GHG5422300V0000) actuating flap for components	EXKO 233201 A0019

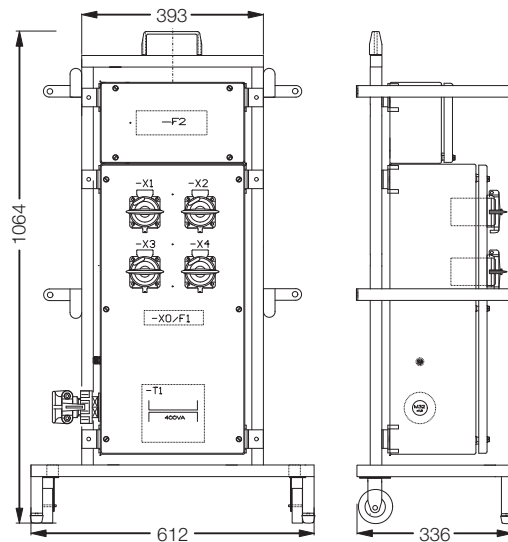
Option:

Padlock facility for enclosure cover

Enclosure material stainless steel AISI 316L

Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm



EXKO 233201 A0021

Technical data

Ex-protected portable power supply unit EXKO 233201 A0021

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T4 / ⊕ II 2 D IP65 T95°C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	207 V / 120 V
Rated current	32 A
Frequency	50 Hz
Back-up fuse external	63 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M40 Trumpet shaped cable gland, 1x M12 cable gland plastic
Connecting cable	H07RN-F 5 x 10 mm ² without plug, 10 m
Enclosure material	Plastic, metal plate AISI 304L Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame 378 x 594 x 213 mm
Weight	25 kg
Enclosure colour	black

Ordering details

Design	Components external	Order No.
1x MCB S202M - C32A, 10kA 3x Fi-LS DS971 - C16A 0.03A, 6kA	3x Wall socket 16A 3-pole, 120V (04h) (GHG5118304R0001) actuating flap for components	EXKO 233201 A0021

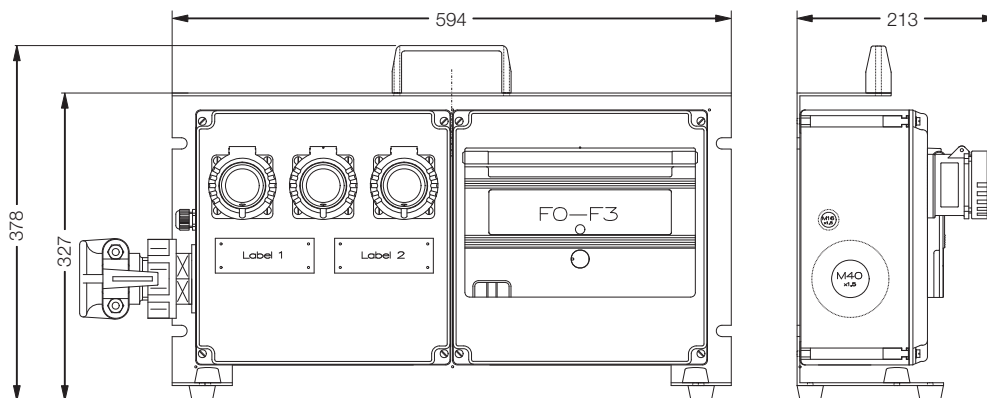
Option:

Padlock facility for enclosure cover

Enclosure material stainless steel AISI 316L

Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm

Ex-protected portable power supply units



only for illustration

Technical data

Ex-protected portable power supply unit EXKO 233201 A0025

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1057
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	230/24 V transformer, 400 VA
Rated current	16 A
Frequency	50 Hz
Back-up fuse external	16 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M25 Trumpet shaped cable gland, 1 x M12 cable gland plastic
connecting cable	H07RN-F 3 x 2.5 mm ² with plug 16 A, 3 m
Enclosure material	Ex-d enclosure: die-cast aluminium, connection box: stainless steel AISI 316L Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 including lockable wheels 936 x 720 x 369 mm
Weight	62 kg
Enclosure colour	RAL 7032

Ordering details

Design	Components external	Order No.
1x MCB S202M - C10A, 10kA 1x MCB S202M - C13A, 10kA 1x power supply 230V AC / 24V DC 20A	1x Plug 16A 3-pole, 230V (06h) (GHG5117306R0001) 4x Wall socket 16A 3-pole, 24V (01h) (GHG5118301R0001) actuating flap for components	EXKO 233201 A0025

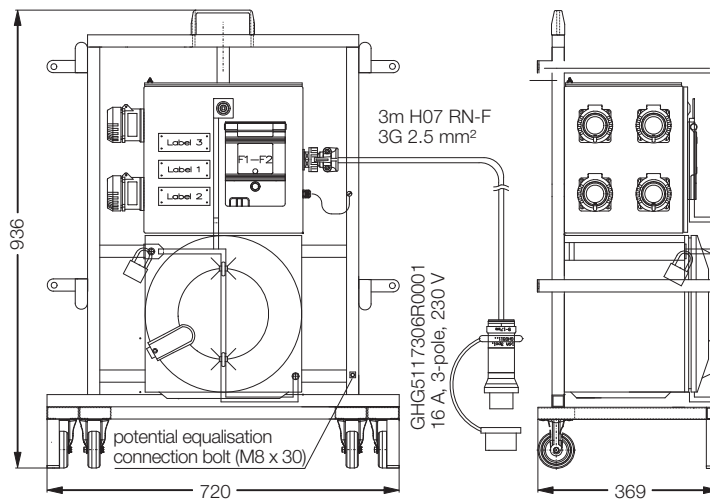
Option:

Padlock facility for enclosure cover

Enclosure material stainless steel AISI 316L

Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm



FI-Ex Power Cords

1 Electrical connection technology zone 1/21, 2/22 and industrial applications

A perfect connection

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

To be on the safe side

Non-stationary electrical apparatus have generally high requirements on the energy/power supply. Robust plugs and receptacles as well as a high chemical resistance are at the first glance very important. Electrical reliability is a must not only for all connectivity products. A high safety standard, a steady hold and faultless contacting even under vibration or the effects of

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

Use our competence - even in industrial environment

Our new range of FL-Ex Power Cord contains not only explosion protected connection technology.

Fitted by the same high level features, our connection technology range is also available for industrial use. Our robust plugs and receptacles for industrial use fulfils the highest standards in mechanical and chemical resistance.

Ex power cord - the comfortable solution

For the individual connection of electrical apparatus by connectors we developed a wide range of power cords for use in hazardous areas as well as for industrial applications. By use of FL-Ex Power Cords, electrical apparatus can be powered with energy flexible and safe.



Features

- Nickel plated contact elements
- Easy plugging
- Optional mechanical interlock
- High degree of protection IP 66, even plugged
- Glove operation
- Lockable against unauthorized use



EXKO238001E



K0238001L



EXKO238001F

Technical data

Plug and receptacles for industrial application (industrial standard)

Permissible ambient temperature	-20 °C to +40 °C / -45 °C to +45 °C (optional) ¹⁾
IK-class according to EN 50102	IK 10 / 20 J
Rated voltage	3-pol.: 400 V / 4-/5-pol.: 690 V
Rated current	16 A / 32 A / 63 A
Frequency	50/60 Hz
External back up fuse	without therm. protection: 16 A / 32 A / 63 A
Protection class	I
Degree of protection accd. to EN 60529	IP 66
Enclosure material	Polyamide

Plug and receptacles for Zone 1/2, 21/22

Marking accd. to 2014/34/EU	Ⓢ II 2 G Ex de IIC T6 / Ⓢ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1039 (16 A) / PTB 99 ATEX 1041 (32 A) / PTB 00 ATEX 1070 (63 A) / PTB 01 ATEX 1069 (125 A)
IECEX Certificate of Conformity	IECEX BK1 04.0002 (16 A) / IECEX BK1 04.0006 (32 A) / IECEX BK1 04.0004 (63 A) / IECEX BK1 04.0005 (125 A)
Marking accd. to IECEx	Ex de IIC T6/T5 (16 A/32 A) / Ex de IIC T6 (63 A) / Ex de IIC T6 (125 A)
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
IK-class according to EN 50102	IK 10 / 20 J
Rated voltage	3-pol.: 400 V / 4-pol.: 690 V / 5-pol.: 500 V
Rated current	16 A / 32 A / 63 A / 125 A
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U_e 690 V / I_e 16 A U_e 690 V / I_e 32 A
Frequency	50/60 Hz
External back up fuse	without therm. protection: 16 A / 32 A / 63 A / 125 A
Degree of protection accd. to EN 60529	IP 66 (with protective cover or plugged in and powered)
Enclosure material	Polyamide

Connecting cable

Rubber coated cord, heavy duty	H07 RN-F, dimensions see ordering details
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¹⁾ extended temperature range on request

Ordering details

Voltage	Plug / Coupler Ex / Industrie	Cord length	Weight approx.	Order No. (for industrial use only*)
16 A adaptor for industrial use for 3-pole connection				
200 - 250 V	3-pole / 3-pole	2 m x 3G 2.5 mm ²	0.9 kg	KO 238001 G0001
16 A adaptor for industrial use for 5-pole connection				
380 - 415 V	5-pole / 5-pole	2 m x 5G 2.5 mm ²	1.6 kg	KO 238001 G0002
32 A adaptor for industrial use for 4-pole connection				
380 - 415 V	4-pole / 4-pole	2 m x 4G 6 mm ²	2.8 kg	KO 238001 G0003
32 A adaptor for industrial use for 5-pole connection				
380 - 415 V	5-pole / 5-pole	2 m x 5G 6 mm ²	4.0 kg	KO 238001 G0004
16 A adaptor for industrial use for 5-pole / 3-pole connection				
380 - 415 V / 200 - 250 V	5-pole / 3-pole	2 m x 3G 2.5 mm ²	1.0 kg	KO 238001 G0005

ATTENTION!

These adaptors are suitable for the power connection of industrial apparatus for servicing and maintenance in hazardous areas. They are not Ex approved and are only allowed for use outside of Ex areas or with a valid hot work permit!

¹⁾ Only for industrial use. Attention! Not approved for use in hazardous areas.

Assembled cables



EXKO238001F



K0238001L



EXKO238001E

Ordering details Power cord (single-side connected)

Voltage	Coding	Cable length	Weight approx.	Order No. (for Ex-zone 1/2, 21/22)	Order No. (for industrial use only*)	
16 A Power cord for 3-pole connection incl. plug, 06 h and protection cap						
200 - 250 V		5 m x 3G 2.5 mm ²	1.5 kg	EXKO 238001 E0001	KO 238001 K0001	
200 - 250 V		10 m x 3G 2.5 mm ²	3.9 kg	EXKO 238001 E0002	KO 238001 K0002	
200 - 250 V		25 m x 3G 2.5 mm ²	6.2 kg	EXKO 238001 E0003	KO 238001 K0003	
16 A Power cord for 5-pole connection incl. plug, 06 h and protection cap						
380 - 415 V		5 m x 3G 2.5 mm ²	1.6 kg	EXKO 238001 E0004	KO 238001 K0004	
380 - 415 V		10 m x 3G 2.5 mm ²	4.0 kg	EXKO 238001 E0005	KO 238001 K0005	
380 - 415 V		25 m x 3G 2.5 mm ²	6.3 kg	EXKO 238001 E0006	KO 238001 K0006	
32 A Power cord for 4-pole connection incl. plug, 06 h and protection cap						
380 - 415 V		5 m x 4G 6 mm ²	1.6 kg	EXKO 238001 E0007	KO 238001 K0007	
380 - 415 V		10 m x 4G 6 mm ²	4.0 kg	EXKO 238001 E0008	KO 238001 K0008	
380 - 415 V		25 m x 4G 6 mm ²	6.3 kg	EXKO 238001 E0009	KO 238001 K0009	
32 A Power cord for 5-pole connection incl. plug, 06 h and protection cap						
380 - 415 V		5 m x 5G 6 mm ²	4.6 kg	EXKO 238001 E0010	KO 238001 K0010	
380 - 415 V		10 m x 5G 6 mm ²	12.2 kg	EXKO 238001 E0011	KO 238001 K0011	
380 - 415 V		25 m x 5G 6 mm ²	19.8 kg	EXKO 238001 E0012	KO 238001 K0012	
63 A Power cord for 4-pole connection incl. plug, 06 h and protection cap						
380 - 415 V		5 m x 4G 16 mm ²	7.9 kg	EXKO 238001 E0013	KO 238001 K0013	
380 - 415 V		10 m x 4G 16 mm ²	21.3 kg	EXKO 238001 E0014	KO 238001 K0014	
380 - 415 V		25 m x 4G 16 mm ²	34.8 kg	EXKO 238001 E0015	KO 238001 K0015	
380 - 415 V		5 m x 4G 25 mm ²	11.3 kg	EXKO 238001 E0016	KO 238001 K0016	
380 - 415 V		10 m x 4G 25 mm ²	31.2 kg	EXKO 238001 E0017	KO 238001 K0017	
380 - 415 V		25 m x 4G 25 mm ²	51.2 kg	EXKO 238001 E0018	KO 238001 K0018	
63 A Power cord for 5-pole connection incl. plug, 06 h and protection cap						
380 - 415 V		5 m x 5G 16 mm ²	9.6 kg	EXKO 238001 E0019	KO 238001 K0019	
380 - 415 V		10 m x 5G 16 mm ²	26.4 kg	EXKO 238001 E0020	KO 238001 K0020	
380 - 415 V		25 m x 5G 16 mm ²	43.2 kg	EXKO 238001 E0021	KO 238001 K0021	
380 - 415 V		5 m x 5G 25 mm ²	13.7 kg	EXKO 238001 E0022	KO 238001 K0022	
380 - 415 V		10 m x 5G 25 mm ²	38.4 kg	EXKO 238001 E0023	KO 238001 K0023	
380 - 415 V		25 m x 5G 25 mm ²	63.1 kg	EXKO 238001 E0024	KO 238001 K0024	
125 A Power cord for 4-pole connection incl. plug, 06 h and protection cap						
380 - 415 V			5 m x 4G 35 mm ²	15.2 kg	EXKO 238001 E0025	KO 238001 K0025
380 - 415 V	10 m x 4G 35 mm ²		41.7 kg	EXKO 238001 E0026	KO 238001 K0026	
380 - 415 V	25 m x 4G 35 mm ²		68.1 kg	EXKO 238001 E0027	KO 238001 K0027	
380 - 415 V	5 m x 4G 50 mm ²		20.4 kg	EXKO 238001 E0028	KO 238001 K0028	
380 - 415 V	10 m x 4G 50 mm ²		56.7 kg	EXKO 238001 E0029	KO 238001 K0029	
380 - 415 V	25 m x 4G 50 mm ²		93.1 kg	EXKO 238001 E0030	KO 238001 K0030	
125 A Power cord for 5-pole connection incl. plug, 06 h and protection cap						
380 - 415 V		5 m x 5G 35 mm ²	16.2 kg	EXKO 238001 E0031	KO 238001 K0031	
380 - 415 V		10 m x 5G 35 mm ²	44.3 kg	EXKO 238001 E0032	KO 238001 K0032	
380 - 415 V		25 m x 5G 35 mm ²	72.4 kg	EXKO 238001 E0033	KO 238001 K0033	
380 - 415 V		5 m x 5G 50 mm ²	22.7 kg	EXKO 238001 E0034	KO 238001 K0034	
380 - 415 V		10 m x 5G 50 mm ²	63.2 kg	EXKO 238001 E0035	KO 238001 K0035	
380 - 415 V		25 m x 5G 50 mm ²	103.7 kg	EXKO 238001 E0036	KO 238001 K0036	

*) Only for industrial use. Attention! Not approved for use in hazardous areas.



K0238001L



EXKO238001F

Ordering details Extension cord (double-side connected)

Voltage	Coding	Cable length	Weight approx.	Order No. (for Ex-Zone 1/2, 21/22)	Order No. (for industrial use only*)
16 A Extension cord for 3-pole connection incl. plug & coupler, 06 h					
200 - 250 V		5 m x 3G 2.5 mm ²	1.6 kg	EXKO 238001 F0001	KO 238001 L0001
200 - 250 V		10 m x 3G 2.5 mm ²	3.9 kg	EXKO 238001 F0002	KO 238001 L0002
200 - 250 V		25 m x 3G 2.5 mm ²	6.3 kg	EXKO 238001 F0003	KO 238001 L0003
16 A Extension cord for 5-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 5G 2.5 mm ²	2.3 kg	EXKO 238001 F0004	KO 238001 L0004
380 - 415 V		10 m x 5G 2.5 mm ²	4.6 kg	EXKO 238001 F0005	KO 238001 L0005
380 - 415 V		25 m x 5G 2.5 mm ²	7.0 kg	EXKO 238001 F0006	KO 238001 L0006
32 A Extension cord for 4-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 4G 6 mm ²	4.2 kg	EXKO 238001 F0007	KO 238001 L0007
380 - 415 V		10 m x 4G 6 mm ²	8.9 kg	EXKO 238001 F0008	KO 238001 L0008
380 - 415 V		25 m x 4G 6 mm ²	13.7 kg	EXKO 238001 F0009	KO 238001 L0009
32 A Extension cord for 5-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 5G 6 mm ²	6.2 kg	EXKO 238001 F0010	KO 238001 L0010
380 - 415 V		10 m x 5G 6 mm ²	13.8 kg	EXKO 238001 F0011	KO 238001 L0011
380 - 415 V		25 m x 5G 6 mm ²	21.4 kg	EXKO 238001 F0012	KO 238001 L0012
63 A Extension cord for 4-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 4G 16 mm ²	8.9 kg		KO 238001 L0013
380 - 415 V		10 m x 4G 16 mm ²	22.4 kg		KO 238001 L0014
380 - 415 V		25 m x 4G 16 mm ²	35.8 kg		KO 238001 L0015
63 A Extension cord for 4-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 4G 25 mm ²	12.3 kg		KO 238001 L0016
380 - 415 V		10 m x 4G 25 mm ²	32.2 kg		KO 238001 L0017
380 - 415 V		25 m x 4G 25 mm ²	52.4 kg		KO 238001 L0018
63 A Extension cord for 5-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 5G 16 mm ²	10.7 kg		KO 238001 L0019
380 - 415 V		10 m x 5G 16 mm ²	27.5 kg		KO 238001 L0020
380 - 415 V		25 m x 5G 16 mm ²	44.3 kg		KO 238001 L0021
63 A Extension cord for 5-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 5G 25 mm ²	14.8 kg		KO 238001 L0022
380 - 415 V		10 m x 5G 25 mm ²	39.5 kg		KO 238001 L0023
380 - 415 V		25 m x 5G 25 mm ²	62.2 kg		KO 238001 L0024
125 A Extension cord for 4-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 4G 35 mm ²	16.7 kg		KO 238001 L0025
380 - 415 V		10 m x 4G 35 mm ²	43.7 kg		KO 238001 L0026
380 - 415 V		25 m x 4G 35 mm ²	69.6 kg		KO 238001 L0027
125 A Extension cord for 4-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 4G 50 mm ²	21.8 kg		KO 238001 L0028
380 - 415 V		10 m x 4G 50 mm ²	58.3 kg		KO 238001 L0029
380 - 415 V		25 m x 4G 50 mm ²	94.5 kg		KO 238001 L0030
125 A Extension cord for 5-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 5G 35 mm ²	17.8 kg		KO 238001 L0031
380 - 415 V		10 m x 5G 35 mm ²	45.9 kg		KO 238001 L0032
380 - 415 V		25 m x 5G 35 mm ²	74.1 kg		KO 238001 L0033
125 A Extension cord for 5-pole connection incl. plug & coupler, 06 h					
380 - 415 V		5 m x 5G 50 mm ²	24.2 kg		KO 238001 L0034
380 - 415 V		10 m x 5G 50 mm ²	64.8 kg		KO 238001 L0035
380 - 415 V		25 m x 5G 50 mm ²	105.2 kg		KO 238001 L0036

*) Only for industrial use. Attention! Not approved for use in hazardous areas.

eXLink[®] - the Miniature-Power Connector

1 eXLink 4-pole/4-pole + PE - 10 A for Zone 1 and Zone 21

From BUS-technology to 10 A

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.

Time code for safety

A time coding, following the IEC 60309 system secures from misconnections of non-compatible voltage levels. Only connectors and plugs with the same voltage level can be plugged together.

Proven connectivity

The well-known and reliable bonding technique "crimp connection" for wire size of 0.25 mm² up to 0.5 mm², 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. The factory potted metal versions can be used directly into Ex-d enclosures without additionally certification to be applied.

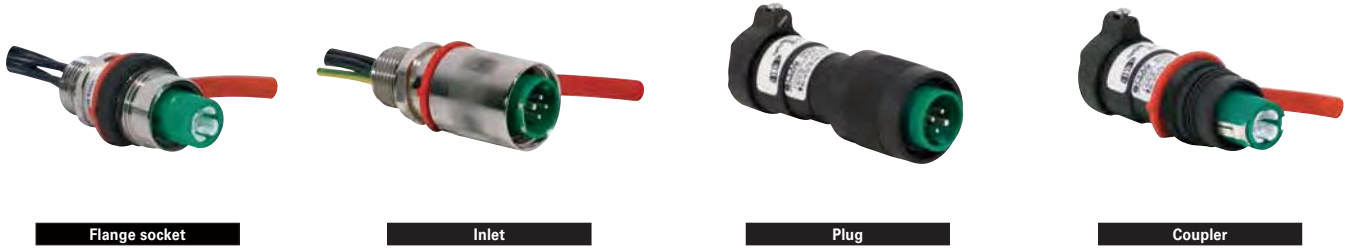
No "Hot Work Permit"

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"!



Features

- 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
- World wide certifications
- Mining (EX I M2) certified



Technical data

eXLink 4-pole/ 4-pole + PE

Marking accd. to 2014/34/EU	Ⓢ II 2 G Ex de IIC T6 / Ⓢ II 2 G Ex ia/ib IIC T6 Ⓢ II 2 D tD A21 IP66 T80 °C	
EC-Type Examination Certificate	PTB 03 ATEX 1016 X	
IECEX Certificate of Conformity	IECEX BKI 06.0005X	
Marking accd. to IECEx	Ex de IIC T6 / Ex ia/ib IIC T6 Ex tD A21 IP66 T80 °C	
Permissible ambient temperature	-55 °C to +40 °C (Rated current 10 A) -55 °C to +75 °C (Rated current 2 A) -20 °C to +40 °C (Elbow, plastic)	
Store temperature in original wrapping	-55 °C 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 accd. EN 61 984	AC:	250 V / 10 A
	DC:	60 V / 2.5 A
Rated making / Rated breaking capacity accd. EN 60947-4-1	AC-3:	U _e 250 V / I _e 1 A
	DC-3:	U _e 60 V / I _e 0.5 A
External back-up fuse max. without therm. protection	10 A	
External back-up fuse max. with therm. protection	20 A gG	
Protection class acc. EN 60598	II: Plastic / I: metal	
Terminal cross section		
Plug, coupler	Crimp 0.5 mm ² :	0.25 - 0.5 mm ²
Inlet, receptacle in plastic	Crimp 1.5 mm ² :	0.75 - 1.5 mm ² / Solder
	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
	Crimp 0.5 mm ² :	0.25 - 0.5 mm ²
	Crimp 1.5 mm ² :	0.75 - 1.5 mm ² / Solder
	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 ²⁾ :	1.5 mm ² / 2.5 mm ²
Cable gland plug and coupler	Ø 4 - 7.5 mm / Ø 7.5 - 11.0 mm	
Cable gland plug and coupler for armoured cables	external isol. Ø 12 - 21 mm / internal isol. Ø 8.5 - 16 mm / armouring 0 - 1.5 mm	
Mounting thread inlet and flange socket	M20 x 1.5 / 1/2" NPT ³⁾	
Degree of protection accd. to 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 flange socket	Polyamide, nickel plated 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

²⁾ other length on request

³⁾ NPT for metal version only

eXLink 4-pole/4-pole + PE

Ordering key eXLink 4-pole/4-pole + PE

1. Content

- 1 = 4-pole
- 4 = 4-pole + PE¹⁾

2. Type

- 1 = Elbow
- 3 = Coupler
- 6 = Inlet > 2000 cm³
- 7 = Plug
- 8 = Flange socket
- 9 = Inlet

3. Connection technology

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

Option: Crimp up to 0.5 mm²

4. Coding

- 01 = 1 h / Ethernet¹⁾
- 02 = 2 h / Bus
- 03 = 3 h / Special code¹⁾
- 04 = 4 h / 110 V AC 2p + PE
- 05 = 5 h / 24 V DC 4p + PE¹⁾
- 06 = 6 h / 230 V AC 2p + PE
- 07 = 7 h / Special code¹⁾
- 08 = 8 h / 24 V DC 4p
- 09 = 9 h / Special code¹⁾
- 10 = 10 h / 230 V AC 4p + PE¹⁾
- 11 = 11 h / Special code¹⁾
- 12 = 12 h / 24 V AC 2p + PE

¹⁾ only crimp version

GHG 57X XXXX RXX0X

5. Material

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

6. Accessories

- 0 = without padlocking facility
- 8 = Protection cap for plug
- 9 = with padlocking facility

7. Connecting cable Ø (plug and coupler)

- 1 = 4 – 7.5 mm/12 – 21 mm²⁾
- 2 = 7.5 – 11 mm

²⁾ Version for armoured cables

8. Connection (flange socket and inlet)	Plastic	Nickel-plated brass	Stainless steel
connecting cable	...R0XX1	n.a.	n.a.
Crimp	...R0XX1	n.a.	n.a.
30 cm	...R0XX2	...R3XX1	...R1XX1
50 cm	...R0XX3	...R3XX2	...R1XX2
75 cm	...R0XX4	...R3XX3	...R1XX3
150 cm	...R0XX5	...R3XX4	...R1XX4

Version for possible configurations

	Plastic	Nickel-plated brass	Stainless steel	Crimp 0.5 mm ²	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 gland Ø 4 - 7.5 mm	Cable gland Ø 7.5 - 11 mm	Cable gland Ø 12 - 21 mm	M20 x 1.5	1/2" NPT
Plug 4-pole	x	x	x	x	x	x	x	x						x	x			
Plug 4-pole + PE	x	x	x	x	x	x	x							x	x			
Coupler 4-pole	x	x	x	x	x	x	x	x						x	x			
Coupler 4-pole + PE	x	x	x	x	x	x	x							x	x			
Plug for armoured cables 4-pole		x	x	x	x	x	x	x								x		
Plug for armoured cables 4-pole + PE		x	x	x	x	x	x									x		
Coupler for armoured cables 4-pole		x	x	x	x	x	x	x								x		
Coupler for armoured cables 4-pole + PE		x	x	x	x	x	x									x		
Inlet for Ex e enclosure	x	x	x	x	x	x	x		x	x	x	x	x				x	
Inlet for Ex d enclosure < 2000 cm ³		x	x						x	x	x	x	x				x	x
Inlet for Ex d enclosure > 2000 cm ³		x	x						x	x	x	x	x				x	x
Flange socket for Ex e enclosure	x	x	x	x	x	x	x		x	x	x	x	x				x	
Flange socket for Ex d enclosure (no restriction on free volume)		x	x						x	x	x	x	x				x	x
Elbow for Ex e enclosure	x	x	x														x	
Elbow for Ex d enclosure		x	x														x	x

³⁾ on customers request

For customers who wants to configure the needed **eXLink** easily and fast Eaton|s Crouse-Hinds Business offers via the Internet separate tool to select the right type and order No.: <http://exlink.internezzo.de/>


From a selection of nearly 2000 variants of eXLink connector products you will find **YOUR eXLink** product fast, reliable and easy using our product configurator

eXLink 4/4+PE-pole
eXLink 7/6+PE-pole

Crouse-Hinds
by **EATON**

Type	plug male - for passive cable connection ▾
Material	plastic ▾
Clock Setting / Voltage	6 h: 2-pol + PE - 230 V AC ▾
Connection Technology	1,5 mm ² Crimp ▾
Accessories	without locking device ▾
Connector cable	cable diameter 7.5 - 11 mm ▾

GHG 571 7106 R0002



eXLink 4/4+PE-pole
eXLink 7/6+PE-pole

Crouse-Hinds
by **EATON**

Type	receptacle female - for active enclosure ▾
Material	nickel plated brass ▾
Clock Setting / Voltage	04 h: 6-pol + PE - 110 V AC ▾
Connection Technology	configured with 1,5mm ² , potted ▾
Accessories	without locking device ▾
Connector cable	300 mm flying leads ▾

GHG 572 8104 R3001



eXLink plug 4-pole



Plastic



Metal



with padlocking facility

Ordering key eXLink plug 4-pole

GHG 571 7XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Connecting cable Ø
1 = Crimp up to 1.5 mm ² 2 = Crimp up to 2.5 mm ² 6 = Cage clamp Option: Crimp up to 0.5 mm ²	02 = 2 h 04 = 4 h 06 = 6 h 08 = 8 h 12 = 12 h	0 = Plastic 1 = Stainless steel AISI 316L 3 = nickel-plated brass	0 = without padlocking facility 8 = with protection cap 9 = with padlocking facility	1 = 4 – 7.5 mm 2 = 7.5 – 11 mm

Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø 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
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 7210 R0001	GHG 571 7210 R3002
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



with padlocking facility



Plastic



Metall

Ordering key eXLink plug 4-pole + PE

GHG 574 7XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Connecting cable Ø
1 = Crimp up to 1.5 mm ² 2 = Crimp up to 2.5 mm ² Option: Crimp up to 0.5 mm ²	01 = 1 h 05 = 5 h 10 = 10 h	0 = Plastic 1 = Stainless steel AISI 316L 3 = Nickel-plated brass	0 = without padlocking facility 8 = with protection cap 9 = with padlocking facility	1 = 4 – 7.5 mm 2 = 7.5 – 11 mm

Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø	
				4 – 7.5 mm Order No.	7.5 – 11 mm Order No.
Plug made of plastic					
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 + PE	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 + PE	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

eXLink coupler 4-pole



Plastic



Metal



with padlocking facility

Ordering key eXLink coupler 4-pole

GHG 571 3XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Connecting cable Ø
1 = Crimp up to 1.5 mm ² 2 = Crimp up to 2.5 mm ² 6 = Cage clamp Optional: Crimp up to 0.5 mm ²	02 = 2 h 04 = 4 h 06 = 6 h 08 = 8 h 12 = 12 h	0 = Plastic 1 = Stainless steel AISI 316L 3 = Nickel-plated brass	0 = without padlocking facility 9 = with padlocking facility	1 = 4 – 7.5 mm 2 = 7.5 – 11 mm

All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø 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



with padlocking facility



Plastic



Metal

Ordering key eXLink coupler 4-pole + PE

GHG 574 3XXX RXX0X

1. Connection technology	2. Coding	3. Material	4. Accessories	5. Connecting cable Ø
1 = Crimp up to 1.5 mm ²	01 = 1 h	0 = Plastic	0 = without padlocking facility	1 = 4 – 7.5 mm
2 = Crimp up to 2.5 mm ²	05 = 5 h	1 = Stainless steel	9 = with padlocking facility	2 = 7.5 – 11 mm
Optional: Crimp up to 0.5 mm ²	10 = 10 h	AISI 316L		
		3 = Nickel-plated brass		

All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø	
				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 + PE	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 + PE	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 flange socket 4-pole



Plastic



Metal

Ordering key eXLink flange socket 4-pole

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

GHG 571 8XXX RXX0X

X = Count No.

1. Connection technology	2. Coding	3. Material	4. Accessories
1 = Crimp 1/30 cm multi wire up to 1.5 mm ²	02 = 2 h	0 = Plastic	0 = without padlocking facility
2 = Crimp 1/30 cm multi wire up to 2.5 mm ²	04 = 4 h	1 = Stainless steel AISI 316L with M20 thread	9 = with padlocking facility
¹⁾ Crimp only plastic version	06 = 6 h	3 = Nickel-plated brass with M20 thread	
Optional: Crimp up to 0.5 mm ²	08 = 8 h	5 = Stainless steel AISI 316L with 1/2" NPT thread	
	12 = 12 h	6 = Nickel-plated brass with 1/2" NPT thread	

Metal version only potted with multi-wire.

All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Thread	
				M20 x 1.5 Order No.	1/2" NPT Order No.
Flange socket made of plastic					
BUS	3-pol + PA	2 h	Crimp up to 1.5 mm ²	GHG 571 8102 R0001	
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	Only available in metal version!
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	
Flange socket made of nickel-plated brass					
BUS	3-pol + PA	2 h	30 cm multi wire 1.5 mm ²	GHG 571 8102 R0002	
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	Only available in metal version!
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	
Flange socket 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



Plastic



Metal

Ordering key eXLink flange socket 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. Accessories
1 = Crimp ¹⁾ /30 cm multi wire up to 1.5 mm ²	01 = 1 h	0 = Plastic	0 = without padlocking facility
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 padlocking facility
¹⁾ Crimp only plastic version	10 = 10 h	3 = Nickel-plated brass with M20 thread	
Optional: Crimp up to 0.5 mm ²		5 = Stainless steel AISI 316L with 1/2" NPT thread	
		6 = Nickel-plated brass with 1/2" NPT thread	

Metal version only potted with multi-wire.

All versions including protection cap.

Bestellangaben

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

eXLink inlet 4-pole



Plastic

Metal

Ordering key eXLink inlet 4-pole

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

GHG 571 9XXX RXX0X

X = Count No.

1. Connection technology	2. Coding	3. Material	4. Accessories
1 = Crimp 1/30 cm multi wire up to 1.5 mm ²	02 = 2 h	0 = Plastic	0 = without padlocking facility
2 = Crimp 1/30 cm multi wire up to 2.5 mm ²	04 = 4 h	1 = Stainless steel AISI 316L with M20 thread	9 = with padlocking facility
¹⁾ Crimp only plastic version	06 = 6 h	3 = Nickel-plated brass with M20 thread	
Optional: Crimp up to 0.5 mm ²	08 = 8 h	5 = Stainless steel AISI 316L with 1/2" NPT thread	
	12 = 12 h	6 = Nickel-plated brass with 1/2" NPT thread	

Metal version only potted with multi-wire. All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power 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 mm ²	GHG 571 9102 R0001	
110 V AC	2-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 571 9104 R0001	
110 V AC	2-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 571 9204 R0001	
230 V AC	2-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 571 9106 R0001	Only available in metal version!
230 V AC	2-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 571 9206 R0001	
24 V DC	4-pol	8 h	Crimp up to 1.5 mm ²	GHG 571 9108 R0001	
24 V DC	4-pol	8 h	Crimp up to 2.5 mm ²	GHG 571 9208 R0001	
24 V AC	2-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 571 9112 R0001	
24 V AC	2-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 571 9212 R0001	
Ethernet/Bus	3-pol + PA	2 h	30 cm multi wire 1.5 mm ²	GHG 571 9102 R0002	
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 571 9104 R0002	
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 571 9204 R0002	
230 V AC	2-pol + PE	6 h	15 cm multi wire 1.5 mm ²	GHG 571 9106 R0003	
230 V AC	2-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 571 9106 R0002	Only available in metal version!
230 V AC	2-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 571 9206 R0002	
24 V DC	4-pol	8 h	21 cm multi wire 1.5 mm ²	GHG 571 9108 R0002	
24 V DC	4-pol	8 h	30 cm multi wire 1.5 mm ²	GHG 571 9108 R0003	
24 V DC	4-pol	8 h	30 cm multi wire 2.5 mm ²	GHG 571 9208 R0002	
24 V AC	2-pol + PE	12 h	11 cm multi wire 0.75 mm ²	GHG 571 9112 R0002	
24 V AC	2-pol + PE	12 h	30 cm multi wire 1.0 mm ²	GHG 571 9112 R0003	
24 V AC	2-pol + PE	12 h	30 cm multi wire 1.5 mm ²	GHG 571 9112 R0004	
24 V AC	2-pol + PE	12 h	30 cm multi wire 2.5 mm ²	GHG 571 9212 R0002	
Inlet made of nickel-plated brass V < 2000 cm³					
Ethernet/Bus	3-pol + PA	2 h	30 cm multi wire 1.5 mm ²	GHG 571 9102 R3001	GHG 571 9102 R6001
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 571 9104 R3001	GHG 571 9104 R6001
110 V AC	2-pol + PE	4 h	30 cm multi wire 2.5 mm ²	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 mm ²	GHG 571 9102 R1001	GHG 571 9102 R5001
110 V AC	2-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 571 9104 R1001	GHG 571 9104 R5001
110 V AC	2-pol + PE	4 h	30 cm Litze 2.5 mm ²	GHG 571 9204 R1001	GHG 571 9204 R5001



Plastic



Metal

Ordering key eXLink inlet 4-pole + PE

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

GHG 574 9XXX RXX0X

X = Count No.

1. Connection technology	2. Coding	3. Material	4. Accessories
1 = Crimp ¹⁾ /30 cm multi wire up to 1.5 mm ²	01 = 1 h	0 = Plastic	0 = without padlocking facility
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 padlocking facility
¹⁾ Crimp only plastic version	10 = 10 h	3 = Nickel-plated brass with M20 thread	
Optional: Crimp up to 0.5 mm ²		5 = Stainless steel AISI 316L with 1/2" NPT thread	
		6 = Nickel-plated brass with 1/2" NPT thread	

Metal version only potted with multi-wire. All versions including protection cap.

Ordering details

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



Metal

Ordering key eXLink inlet 4-pole

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

GHG 571 6XXX RXX01

1. Connection technology	2. Coding	3. Material	4. Accessories
1 = 30 cm multi wire up to 1.5 mm ²	02 = 2 h	1 = Stainless steel AISI 316L with M20 thread	0 = without padlocking facility
2 = 30 cm multi wire up to 2.5 mm ²	04 = 4 h	3 = Nickel-plated brass with M20 thread	9 = with padlocking facility
	06 = 6 h	5 = Stainless steel AISI 316L with 1/2" NPT thread	
	08 = 8 h	6 = Nickel-plated brass with 1/2" NPT thread	
	12 = 12 h		

Metal version only potted with multi-wire. All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Thread M20 x 1.5 Order No.	1/2" NPT Order No.
Flange socket made of stainless steel for V > 2000 cm³					
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 cm³					
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

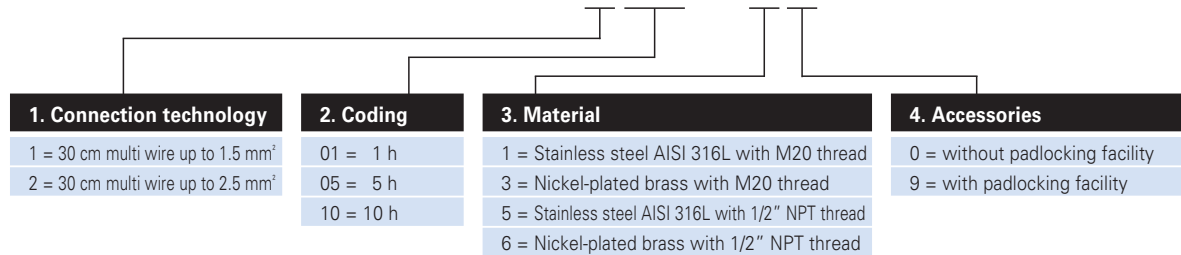


Metal

Ordering key eXLink inlet 4-pole + PE

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

GHG 574 6XXX RXX01



Metal version only potted with multi-wire. All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Thread M20 x 1.5 Order No.	1/2" NPT Order No.
Inlet made of stainless steel for V > 2000 cm²					
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 cm²					
Ethernet/Bus	4-pol + PE	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

eXLink plug/coupler for armoured cables 4-pole



Coupler



Plug

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

GHG 571 XXXX RXX01

1. Content	2. Connection technology	3. Coding	4. Material	5. Accessories
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 ¹⁾ 4 = Nickel-plated brass ¹⁾ Strain relief in nickel-plated brass	0 = without padlocking facility 8 = Plug with protection cap 9 = with padlocking facility

Coupler with protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø 12 - 21 mm Plug Order No.	Coupler Order No.
Plug/coupler made of stainless steel for armoured cables¹⁾					
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 + PE	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

¹⁾ Strain relief in nickel-plated brass



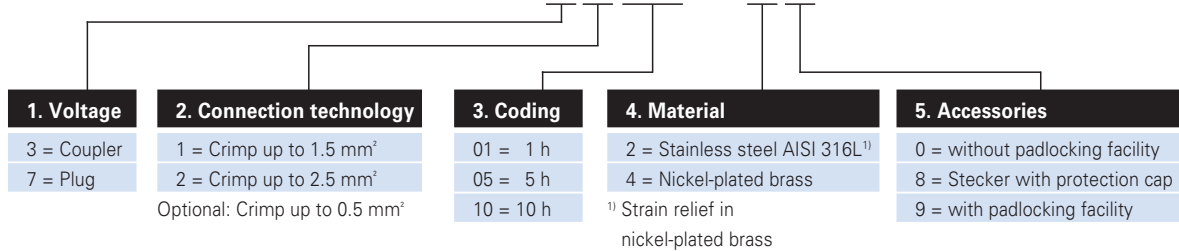
Plug



Coupler

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

GHG 574 XXXX RXX01



Coupler with protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø 12 - 21 mm	
				Plug Order No.	Coupler Order No.
Plug/coupler made of stainless steel for armoured cables¹⁾					
Ethernet/Bus	4-pol + PE	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 + PE	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

¹⁾ Strain relief in nickel-plated brass



Elbow plastic



Elbow metal



Plug pins



Detail: 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 ¹⁾	Plastic	GHG 571 1000 R0001
Elbow M20 ¹⁾	Stainless steel AISI 316L	GHG 571 1000 R1001
Elbow M20 ¹⁾	Nickel-plated brass	GHG 571 1000 R3001

¹⁾ Usage depends on wire cross section and number of wires

Accessories

Type	OU	Content 3+PE	4 pol.	4+PE	Order No.
Set of socket contacts 0.5 mm ² , 4-pole	1	X	X	–	GHG 570 1905 R0007
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 0.5 mm ² , 3-pole + PE (PE leading AC)	1	X	–	–	GHG 570 1904 R0012
Set of plug pins 0.5 mm ² , 4-pole (lagging DC)	1	–	X	–	GHG 570 1904 R0011
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 contact	1	–	–	X	GHG 570 1904 R0005
Set of plug pins 2.5 mm ² , 4-pole + PE contact	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 M20	1	X	X	X	GHG 570 1901 R0001



Plug



Coupler

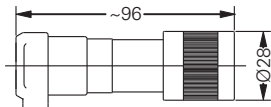


Inlet

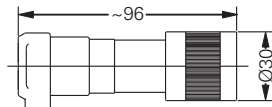


Flange socket

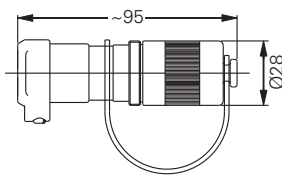
Dimension drawing eXLink



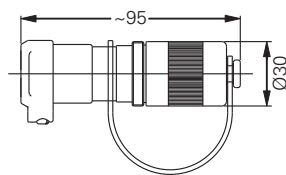
Plug metal version



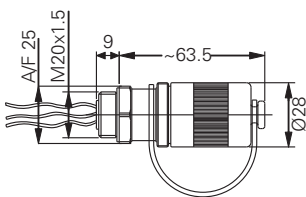
Plug plastic version



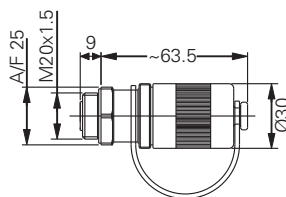
Coupler metal version



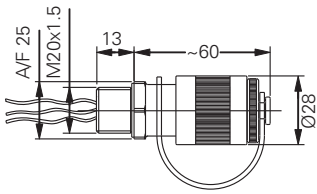
Coupler plastic version



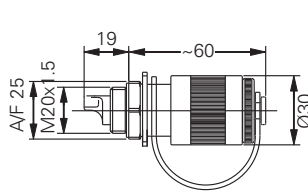
Flange socket metal version



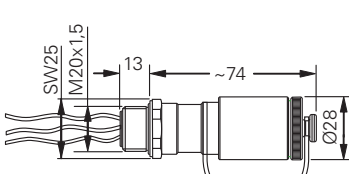
Flange socket plastic version



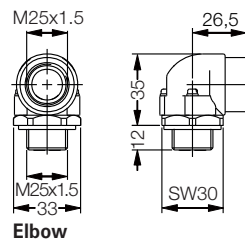
Inlet metal version: V < 2000 cm³



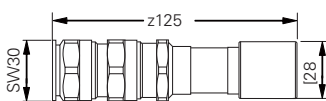
Inlet plastic version



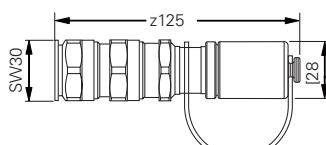
Inlet metal version: V > 2000 cm³



Elbow



Plug for armoured cable



Coupler for armoured cable

eXLink[®] - Ethernet/USB

1 eXLink 4-pole + PA for Zone 1 and Zone 21

Ethernet/USB in hazardous environment

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-de technology of the connectors allows the use of full industrial 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 each plug pin provides a reliable ex-d chamber for 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 IEC 60309 system.

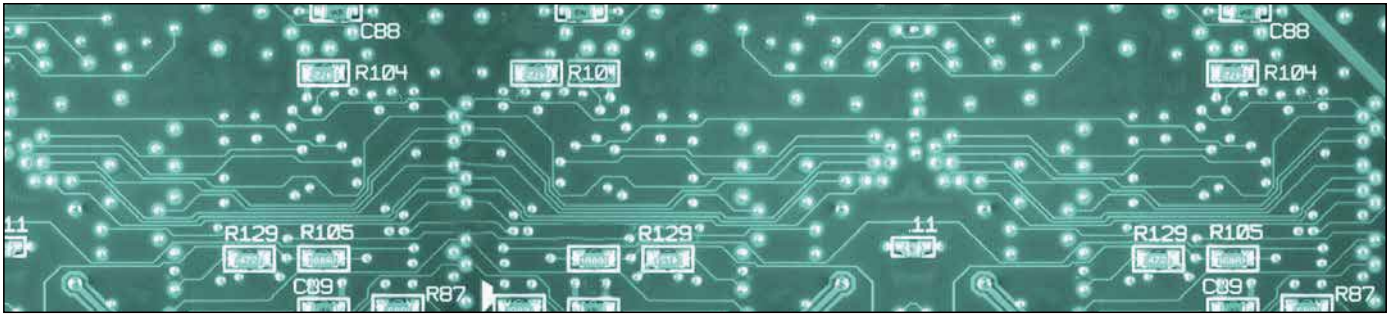
In accordance with the requirements of a contemporary, safe and time-saving assembly, all the components are equipped with earthing cables, cable stub and pre-assembled RJ plug male/female or USB plug male/female.

With the M20 screw-in thread the nickel-plated brass components (optionally stainless steel) can be integrated in all flameproof design enclosures, allowing the use of industrial Ethernet cards/instruments inside without limits.



Features

- 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

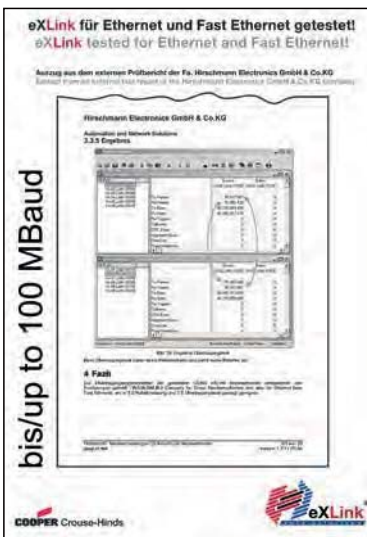


Innovative connectors for Ethernet systems

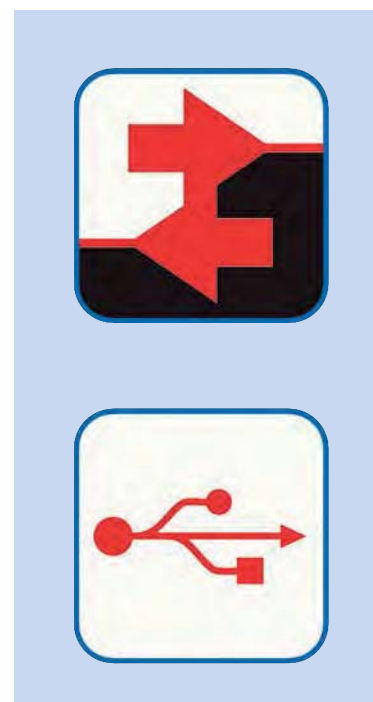
Combine the safety of an innovative explosion-protected connector system with the advantages of a homogeneous communication structure between the host, control and process level! With **eXLink Ethernet** and **eXLink USB** you can also use efficient, Ethernet-based communication systems in the hazardous 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 communi-

cation 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 layed out in TIA/EIA-568-B.2 Category 5e as safe. 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

1



eXLink Ethernet with inlet



eXLink Ethernet with flange socket

Technical data

eXLink Ethernet 4-pole + PA

Marking accd. to 2014/34/EU	II 2 G Ex de IIC T6 / II 2 D tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 03 ATEX 1016 X
IECEX Certificate of Conformity	IECEX BKI 06.0005X
Marking accd. to IECEx	Ex ed IIC T6 / Ex ia/ib IIC T6 Ex tD A21 IP66 T80 °C
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 ¹⁾
Protection class acc. to EN 60598	I
Transmission performance acc. to TIA/EIA-568-B.2	Category 5e up to 100 Mbaud
Degree of protection accd. to 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 gland inlet and flange socket	M20 x 1.5 / 1/2" NPT
Accessories (option)	Padlocking facility

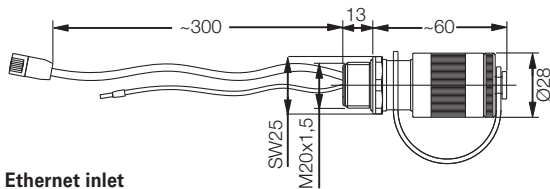
Ordering details

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

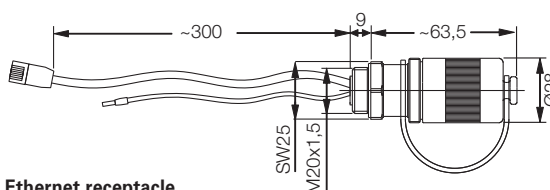
¹⁾ other length on request

All versions including protective caps

Dimension drawing



Ethernet inlet



Ethernet receptacle

Pin allocation eXLink:
Pin 1: white/green
Pin 2: white/orange
Pin 3: green
Pin 4: orange

Dimensions in mm



eXLink USB with inlet



eXLink USB with flange socket

Technical data

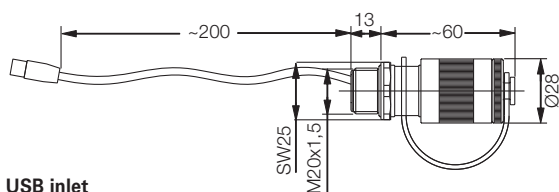
eXLink USB 4-pole	
Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T6 / ⊕ II 2 D tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 03 ATEX 1016 X
IECEX Certificate of Conformity	IECEX BK1 06.0005X
Marking accd. to IECEx	Ex ed IIC T6 / Ex ia/ib IIC T6 Ex tD A21 IP66 T80 °C
Permissible ambient temperature	-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 male/female1)
Protection class acc. to EN 60598	I
Degree of protection accd. to 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 gland inlet and flange socket	M20 x 1.5 / 1/2" NPT
Accessories (option)	Padlocking facility

Ordering details

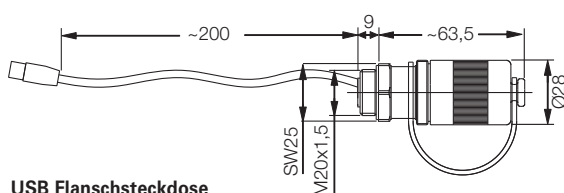
Scope of delivery	Order No.
eXLink inlet with cable and USB plug male (Nickel-plated brass)	GHG 571 9102 R3003
eXLink inlet with cable and USB coupler female (nickel-plated brass)	GHG 571 9102 R3004
eXLink receptacle with cable and USB plug female (nickel-plated brass)	GHG 571 8102 R3003
eXLink receptacle with cable and USB plug male (nickel-plated brass)	GHG 571 8102 R3004

¹⁾ other length on request
All versions including protective caps

Dimension drawing



USB inlet



USB Flanschsteckdose

Pin allocation eXLink:
Pin 1: white/green
Pin 2: white/orange
Pin 3: green
Pin 4: orange

Dimensions in mm

eXLink® - the Miniature-Power Connector

1 eXLink 7-pole / 6-pole + PE - 16 A for Zone 1 and Zone 22

From BUS-technology to 16 A

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 enclosures as well as nickel-plated brass or stainless steel enclosures materials.

Time code for safety

A coding system following to IEC 60309 system secures from misconnections of non-compatible voltage levels. Only connectors and plugs with the same voltage level can be plugged into.

Proven connectivity

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 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. The factory potted metal versions can be used directly into Ex-d enclosures without additionally certification to be applied.

No “Hot Work Permit”

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”!



Features

- Hot swap
- Standard IP protection IP66/IP68
- Permissible ambient temperature from -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



Flange socket



Inlet



Coupler



Plug

Technical data

eXLink 6+1-pole / 7-pole

Marking accd. to 2014/34/EU	⊕ II 2 G Ex de IIC T6 Ex ia/ib IIC T6 / ⊕ II 3 D Ex tc IIIC T80 °C DC	
EC-Type Examination Certificate	PTB 06 ATEX 1031 X	
EC-Declaration of Conformity	CCH 13 ATEX 1010 X	
IECEx Certificate of Conformity	IECEx BK1 06.0005X	
Marking accd. to IECEx	Ex ed IIC T6 / Ex ia/ib IIC T6	
Permissible ambient temperature	-20 °C to +40 °C (rated current 16 A)	
Extended temperature range	-55 °C to +75 °C (metal, rated current 1 A)	
Store temperature in original wrapping	-55 °C 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	
Rated making / Rated breaking capacity accd. EN 60 947-4	AC-3:	U _e 400 V / I _e 1 A
	DC-3:	U _e 60 V / I _e 0.5 A
External back-up fuse max. without therm. protection	16 A	
External back-up fuse max. with therm. protection	20 A gG	
Protection class acc. to EN 60598	II: plastic / I: Metal	
Terminal cross section		
Plug, coupler	Crimp 1.5 mm ² :	0.75 - 1.5 mm ² / Solder
Inlet, receptacle in plastic	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 metal	Crimp 1.5 mm ² :	0.75 - 1.5 mm ² / Solder
	Crimp 2.5 mm ² :	2.5 mm ²
Inlet, receptacle in metal	30 cm multi wire ¹⁾ :	1.5 mm ² / 2.5 mm ²
Cable gland plug and coupler	Ø 7 - 11 mm / Ø 11 - 15 mm	
Cable gland 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 gland inlet and flange socket	M25 x 1.5 / 3/4" NPT	
Degree of protection accd. to 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 flange socket	Polyamide, nickel plated 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⁾ other length on request

Ordering key 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 = Flange socket
- 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 padlocking facility
- 8 = Protection cap for plug
- 9 = with padlocking facility

6. Connecting cable Ø (plug and coupler)

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

¹⁾ Version for armoured cables

7. Connection (inlet and receptacle)

Connecting cable	Plastic	Nickel-plated brass	Stainless steel
Crimp	...R0XX1	n.a.	n.a.
30 cm	...R0XX2	...R3XX1	...R1XX1
50 cm	...R0XX3	...R3XX2	...R1XX2
75 cm	...R0XX4	...R3XX3	...R1XX3
150 cm	...R0XX5	...R3XX4	...R1XX4

Version for possible configurations

	Plastic	Nickel-plated brass	stainless steel	Crimp 1.5 mm ²	Crimp 2.5 mm ²	Solder	Cage clamp	30 cm multi wire 1.5 mm ²	30 cm multi wire 2.5 mm ²	Cable gland Ø 7 - 11 mm	Cable gland Ø 11 - 15 mm	Cable gland Ø 16 - 26 mm	M25 x 1.5	3/4" NPT
Plug	x	x	x	x	x	x	x			x	x			
Coupler	x	x	x	x	x	x	x			x	x			
Plug for armoured cables		x	x	x	x	x	x					x		
Coupler for armoured cables		x	x	x	x	x	x					x		
Inlet for Ex e enclosure	x	x	x	x	x			x ²⁾	x ²⁾				x	x
Inlet for Ex d enclosure < 2000 cm ³		x	x					x ²⁾	x ²⁾				x	x
Inlet for Ex d enclosure > 2000 cm ³		x	x					x ²⁾	x ²⁾				x	x
Flange socket for Ex e enclosure	x	x	x	x	x			x ²⁾	x ²⁾				x	x
Flange socket for Ex d enclosure (no restriction on free volume)		x	x					x ²⁾	x ²⁾				x	x
Elbow for Ex e enclosure	x	x											x	x
Elbow for Ex d enclosure		x											x	x

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

For customers who wants to configure the needed **eXLink** easily and fast Eaton|s Crouse-Hinds Business offers via the Internet separate tool to select the right type and order No.: <http://exlink.internezzo.de/>

From a selection of nearly 2000 variants of eXLink connector products you will find **YOUR eXLink** product fast, reliable and easy using our product configurator

eXLink 4/4+PE-pole
eXLink 7/6+PE-pole

Crouse-Hinds
by E.T.N

Type	plug male - for passive cable connection ▾
Material	nickel plated brass ▾
Clock Setting / Voltage	06 h: 6-pol + PE - 230 V AC ▾
Connection Technology	2,5 mm ² Crimp ▾
Accessories	without locking device ▾
Connector cable	cable diameter 11.0 15.0 mm ▾

GHG 572 7206 R3002




eXLink 4/4+PE-pole
eXLink 7/6+PE-pole

Crouse-Hinds
by E.T.N

Type	plug male - for passive cable connection ▾
Material	nickel plated brass for armoured cable ▾
Clock Setting / Voltage	04 h: 6-pol + PE - 110 V AC ▾
Connection Technology	1,5 mm ² Crimp ▾
Accessories	without locking device ▾
Connector cable	cable diameter 16-26 mm ▾

GHG 572 7104 R4001





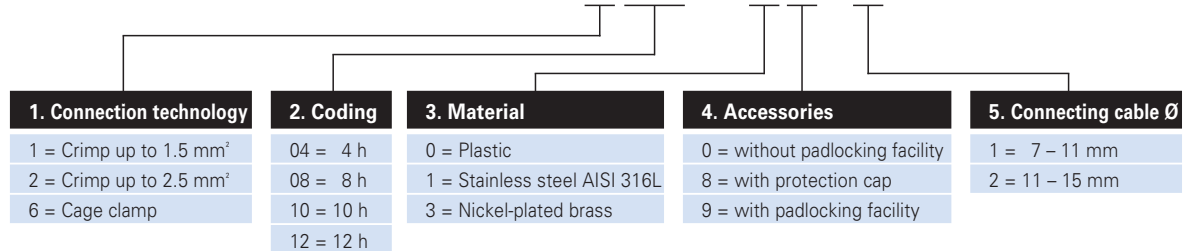
Plastic



Metal

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

GHG 572 7XXX RXX0X



Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø	
				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
24 V DC	7-pol	8 h	Cage clamp	GHG 572 7608 R0001	GHG 572 7608 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



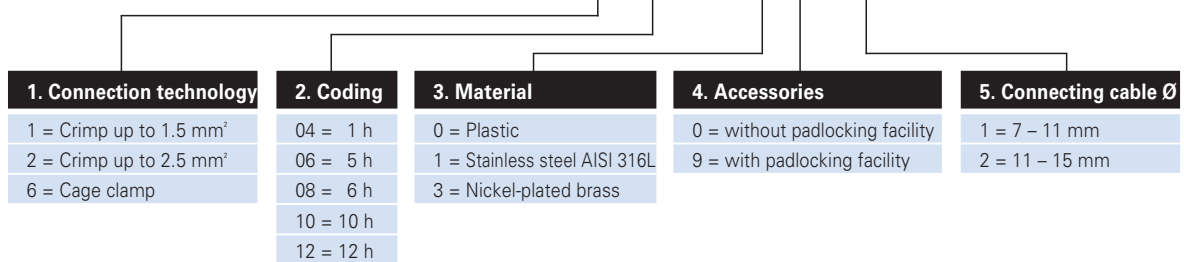
Padlocking facility

Metal

Plastic

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

GHG 572 3XXX RXX0X



All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø	
				7-11 mm Order No.	11 - 15 mm Order No.
Coupler made of plastic					
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 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 receptacle 7-pole/6-pole + PE



Plastic



Metal

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

Metal version for Ex-d application for volume >2000 cm³

GHG 572 8XXX RXX0X

X = Count No.

see page 2.1.140 point 7.

1. Connection technology	2. Coding	3. Material	4. Accessories
1 = Crimp ¹⁾ /30 cm multi wire up to 1.5 mm ²	04 = 4 h	0 = Plastic	0 = without padlocking facility
2 = Crimp ¹⁾ /30 cm multi wire up to 2.5 mm ²	06 = 6 h	1 = Stainless steel AISI 316L with M25 thread	9 = with padlocking facility
¹⁾ Crimp only in plastic version	08 = 8 h	3 = Nickel-plated brass with M25 thread	
	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	

Metal version only potted with multi-wire.

All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Thread	
				M25 x 1.5 Order No.	3/4" NPT Order No.
Flange socket made of plastic					
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 8104 R0001	
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 8204 R0001	
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 8106 R0001	
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 8206 R0001	
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 8108 R0001	Only available in metal version!
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 8208 R0001	
400 V AC	6-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 572 8110 R0001	
400 V AC	6-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 572 8210 R0001	
24 V AC	6-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 572 8112 R0001	
24 V AC	6-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 572 8212 R0001	
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 572 8104 R0002	Only available in metal version!
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 572 8204 R0002	
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 572 8106 R0002	
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 572 8206 R0002	
24 V DC	7-pol	8 h	30 cm multi wire 1.5 mm ²	GHG 572 8108 R0002	
24 V DC	7-pol	8 h	30 cm multi wire 2.5 mm ²	GHG 572 8208 R0002	
Flange socket made of nickel-plated brass					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 572 8104 R3001	GHG 572 8104 R6001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 572 8204 R3001	GHG 572 8204 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 572 8106 R3001	GHG 572 8106 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 572 8206 R3001	GHG 572 8206 R6001
Flange socket made of stainless steel					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 572 8104 R1001	GHG 572 8104 R5001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 572 8204 R1001	GHG 572 8204 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 572 8106 R1001	GHG 572 8106 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 572 8206 R1001	GHG 572 8206 R5001



Padlocking facility



Metal



Plastic

Ordering key eXLink inlet 6+1-pole/7-pole < 2000 cm³
 Metal version for Ex-d applications with free volume < 2000 cm³

GHG 572 9XXX RXX0X

X = Count No.

see page 2.1.140 point 7.

1. Connection technology	2. Coding	3. Material	4. Accessories
1 = Crimp ¹⁾ /30 cm multi wire up to 1.5 mm ²	04 = 4 h	0 = Plastic	0 = without padlocking facility
2 = Crimp ¹⁾ /30 cm multi wire up to 2.5 mm ²	06 = 6 h	1 = Stainless steel AISI 316L with M25 thread	9 = with padlocking facility
¹⁾ Crimp only in plastic version	08 = 8 h	3 = Nickel-plated brass with M25 thread	
	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	

Metal version only potted with multi-wire.
 All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power 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 mm ²	GHG 572 9104 R0001	
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 9204 R0001	
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 9106 R0001	
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 9206 R0001	
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 9108 R0001	Only available in metal version!
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 9208 R0001	
400 V AC	6-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 572 9110 R0001	
400 V AC	6-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 572 9210 R0001	
24 V AC	6-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 572 9112 R0001	
24 V AC	6-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 572 9212 R0001	
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 572 9104 R0002	Only available in metal version!
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 572 9204 R0002	
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 572 9106 R0002	
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 572 9206 R0002	
24 V DC	7-pol	8 h	30 cm multi wire 1.5 mm ²	GHG 572 9108 R0002	
24 V DC	7-pol	8 h	30 cm multi wire 2.5 mm ²	GHG 572 9208 R0002	
Inlet made of nickel-plated brass					
110 V AC	6-pol + PE	4 h	30 cm multi wire 1.5 mm ²	GHG 572 9104 R3001	GHG 572 9104 R6001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 572 9204 R3001	GHG 572 9204 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 572 9106 R3001	GHG 572 9106 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm ²	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 mm ²	GHG 572 9104 R1001	GHG 572 9104 R5001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 572 9204 R1001	GHG 572 9204 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 572 9106 R1001	GHG 572 9106 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 572 9206 R1001	GHG 572 9206 R5001

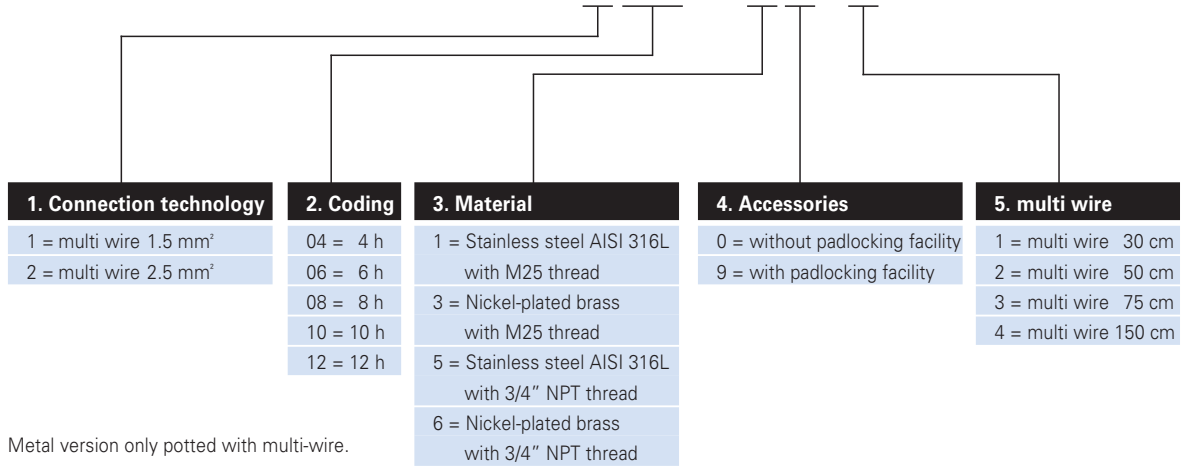


Inlet

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

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

GHG 572 6XXX RXX0X



Metal version only potted with multi-wire.
All versions including protection cap.

Ordering details

Voltage	No. of poles	Coding	Power 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 mm ²	GHG 572 6104 R1001	GHG 572 6104 R5001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 572 6204 R1001	GHG 572 6204 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 572 6106 R1001	GHG 572 6106 R5001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 572 6206 R1001	GHG 572 6206 R5001
24 V DC	7-pol	8 h	30 cm multi wire 1.5 mm ²	GHG 572 6108 R1001	GHG 572 6108 R5001
24 V DC	7-pol	8 h	30 cm multi wire 2.5 mm ²	GHG 572 6208 R1001	GHG 572 6208 R5001
400 V AC	6-pol + PE	10 h	30 cm multi wire 1.5 mm ²	GHG 572 6110 R1001	GHG 572 6110 R5001
400 V AC	6-pol + PE	10 h	30 cm multi wire 2.5 mm ²	GHG 572 6210 R1001	GHG 572 6210 R5001
24 V AC	6-pol + PE	12 h	30 cm multi wire 1.5 mm ²	GHG 572 6112 R1001	GHG 572 6112 R5001
24 V AC	6-pol + PE	12 h	30 cm multi wire 2.5 mm ²	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 mm ²	GHG 572 6104 R3001	GHG 572 6104 R6001
110 V AC	6-pol + PE	4 h	30 cm multi wire 2.5 mm ²	GHG 572 6204 R3001	GHG 572 6204 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 1.5 mm ²	GHG 572 6106 R3001	GHG 572 6106 R6001
230 V AC	6-pol + PE	6 h	30 cm multi wire 2.5 mm ²	GHG 572 6206 R3001	GHG 572 6206 R6001
24 V DC	7-pol	8 h	30 cm multi wire 1.5 mm ²	GHG 572 6108 R3001	GHG 572 6108 R6001
24 V DC	7-pol	8 h	30 cm multi wire 2.5 mm ²	GHG 572 6208 R3001	GHG 572 6208 R6001
400 V AC	6-pol + PE	10 h	30 cm multi wire 1.5 mm ²	GHG 572 6110 R3001	GHG 572 6110 R6001
400 V AC	6-pol + PE	10 h	30 cm multi wire 2.5 mm ²	GHG 572 6210 R3001	GHG 572 6210 R6001
24 V AC	6-pol + PE	12 h	30 cm multi wire 1.5 mm ²	GHG 572 6112 R3001	GHG 572 6112 R6001
24 V AC	6-pol + PE	12 h	30 cm multi wire 2.5 mm ²	GHG 572 6212 R3001	GHG 572 6212 R6001



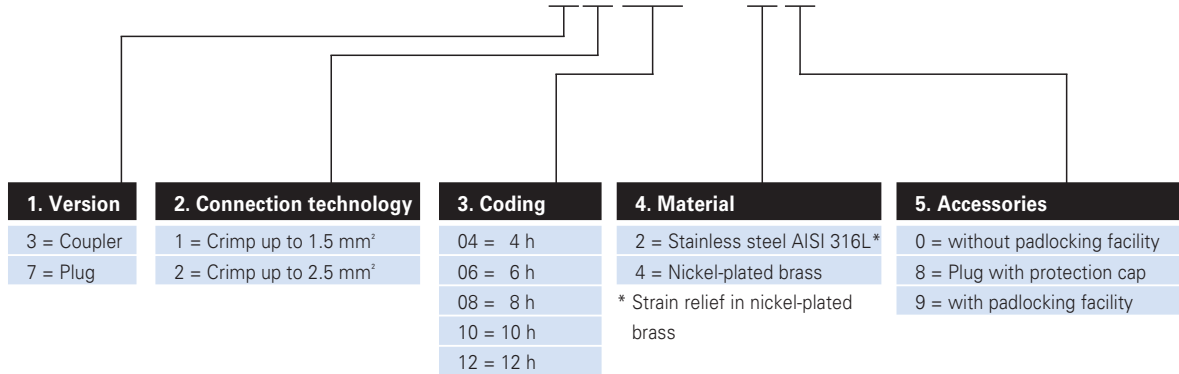
Coupler



Plug

Ordering key eXLink plug/coupler for armoured cables

GHG 572 XXXX RXX01



Coupler with protection cap.

Ordering details

Voltage	No. of poles	Coding	Power connection	Connecting cable Ø 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



Detail: Anti torsion device

Ordering key eXLink elbow

GHG 572 1000 RX001

Material

0 = Plastic

3 = Nickel-plated brass

Ordering details

Type	Material	Order No.
Elbow M25 ¹⁾	Plastic	GHG 572 1000 R0001
Elbow M25 ¹⁾	Nickel-plated brass	GHG 572 1000 R3001

¹⁾ Usage depends on wire cross section and number of wires

Accessories

Type	OU	Order No.
Set of socket contacts 0.5 mm ² , 7-pole	1	GHG 570 1905 R0008
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 0.5 mm ² , 6-pole + PE (PE leading AC)	1	GHG 570 1904 R0014
Set of plug pins 0.5 mm ² , 7-pole (lagging DC)	1	GHG 570 1904 R0013
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 R0006
Anti torsion device for inlet and receptacle M25	1	GHG 570 1901 R0002



Plug metal



Plug plastic



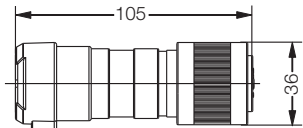
flange socket metal



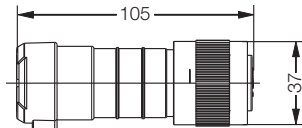
Inlet plastic

1

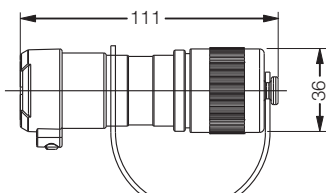
Dimension drawing eXLink 6+1-pole



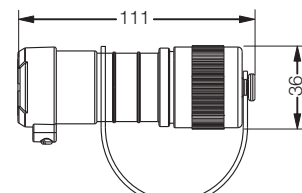
Plug metal version



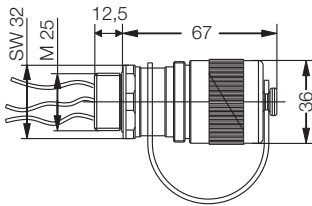
Plug plastic version



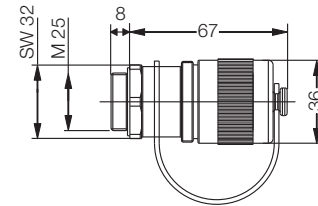
Coupler metal version



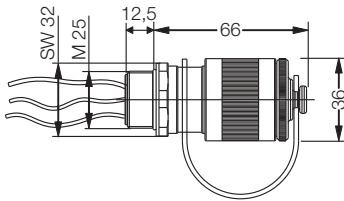
Coupler plastic version



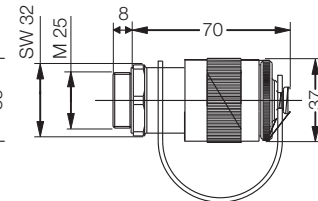
Flange socket metal version



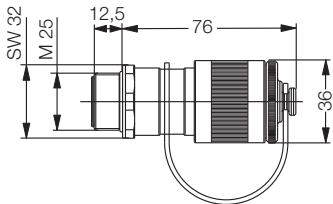
Flange socket plastic version



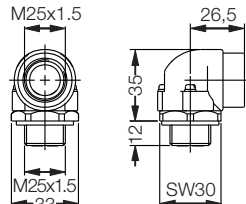
Inlet metal version: V < 2000 cm³



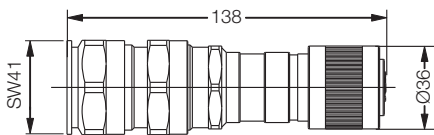
Inlet plastic version



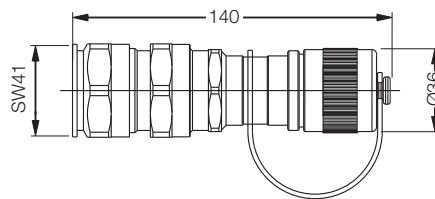
Inlet metal version: V > 2000 cm³



Elbow



Plug for armoured cable



Coupler for armoured cable



Miniature electrical connectors for mining

Connecting and disconnecting electrical equipment in underground mining – without tools, without switching off and without hot work permit – is a decisive step into a future where the assembly, maintenance and repair of electrical equipment can be handled simply, safely and at low cost. With connectors for armoured cables approved for operation in areas where there is danger of fire damp you can connect lamps, indicators, sensors, motors etc. with a current consumption of up to 16 A easily by plugging.

For example, lamps connected via **eXLink** can be serviced or changed at any time without having to switch off the entire lamp line. Actuators and sensors with **eXLink** connection can be changed quickly and safely at any time. Components of large machines can be changed easily by plugging and with the **eXLink** 6+1 any current consumers with 3 phases up to 16 A, PE and 2-wire control cable can be connected by just one small plug.

The plugs and coupler of the **eXLink** series designed in Ex-de type of protection are handy and small. The sockets have the proven CEAG contacts of shutter-like punched and specially

treated copper beryllium strip which provide a continuously perfect electrical connection with the large number of contact points.

An Ex-d space around the plug pins provides reliable explosion protection in fire damp hazard areas when connecting and disconnecting the apparatus. The plugs and sockets can be coded similarly to the CEE system. Depending on the area of application you can choose between the versions 4-pole plus PE (**eXLink** 4+1) or 6-pole plus PE (**eXLink** 6+1). Housing material is available in AISI 316L.

According to the requirements of a modern, reliable and time-saving assembly, all components are designed without screws and are available with crimp and spring terminal types.

Quick connection and disconnection in areas where there is a risk of fire damp

Secure electrical and mechanical connection in compact housings

- No switching off and disconnection necessary
- Reduction in downtimes
- Maximum type of protection IP 66/IP 68
- Wide operating temperature range
- Infinite flexibility due to different versions and codings
- Reverse polarity protected connections by coding





Plug 4-pol.



Coupler 4-pol.



Plug 6-pol.



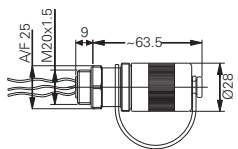
Coupler 6-pol.

Technical data

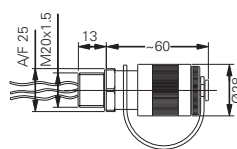
eXLink 4-pole / 4-pole + PE / 6-pole + PE / 7-pole	
Marking accd. to 2014/34/EU	Ⓢ I M2 Ex de I
Type of protection	Ex de IIC T6
EC-Type Examination Certificate	BVS 07 ATEX E 020 X
Frequency range	0-100 MHz, fast Ethernet compatible
Transmission performance acc. to TIA/EIA-568-B.2	Category 5e up to 100 Mbaud
Degree of protection accd. to EN 60529	IP 66/IP 68 with closed and locked protective caps or duly plugged and locked components
Enclosure material	Stainless steel AISI 316L
Terminal cross section	Plug/coupler: Crimp 1.5 mm ² : 0.75 - 1.5 mm ² / Solder Flange socket/inlet: Crimp 2.5 mm ² : 1.5 - 2.5 mm ² 30 cm multi wire: 1.5 mm ² / 2.5 mm ²

eXLink	4-pole/4-pole + PE	6-pole + PE/7-pole
Permissible ambient temperature	-55°C up to +40°C (Rated current 10 A)	-20 °C to +40 °C (Rated current 16 A)
Extended temperature range	-55°C up to +75°C (Rated current 2 A)	-55°C up to +75°C (Rated current 2 A)
Store temperature in original wrapping	-55°C up to +80°C	-55°C up to +80°C
Rated voltage	AC up to 250 V, 50/60 Hz / DC up to 60 V	AC up to 400 V, 50/60 Hz / DC up to 60 V
Rated current	max. 10 A	max. 3x16 A
Switching capacity accd. EN 61 984	AC: 250 V / 10 A DC: 60 V / 2.5 A	400 V / 16 A
Switching capacity accd. EN 60 947-4	AC-3: 250 V / 1 A DC-3: 60 V / 0.5 A	250 V / 1 A 60 V / 0.5 A
Max. Back-up fuse without therm. protection	10 A	16 A
Max. Back-up fuse with therm. protection	20 A gG	20 A gG
Protection class acc. to EN 60598	I	I
Cable gland	Plug/coupler: external isol. Ø 12 - 21 mm / Flange socket/inlet: internal isol. Ø 8.5 - 16 mm / armouring 0 - 1.5 mm M20 x 1.5 / opt. 1/2" NPT	external isol. Ø 16 - 26 mm / internal isol. Ø 8.5 - 16 mm / armouring 0 - 1.5 mm M25 x 1.5 / opt. 3/4" NPT

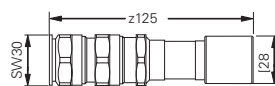
Dimension drawing



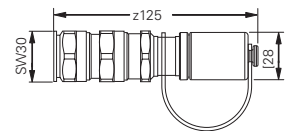
exLink 4-pole – flange socket



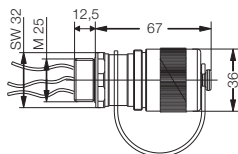
exLink 4-pole – inlet



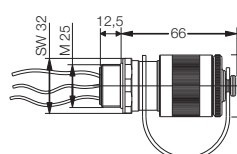
exLink 4-pole – plug for armoured cables



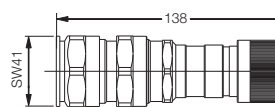
exLink 4-pole – coupler for armoured cables



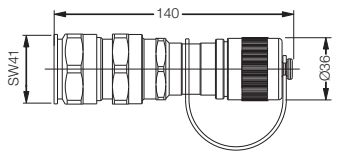
exLink 6-pole – flange socket



exLink 6-pole – inlet



exLink 6-pole – plug for armoured cables



exLink 6-pole – coupler for armoured cables

Dimensions in mm



Plug



Flange socket



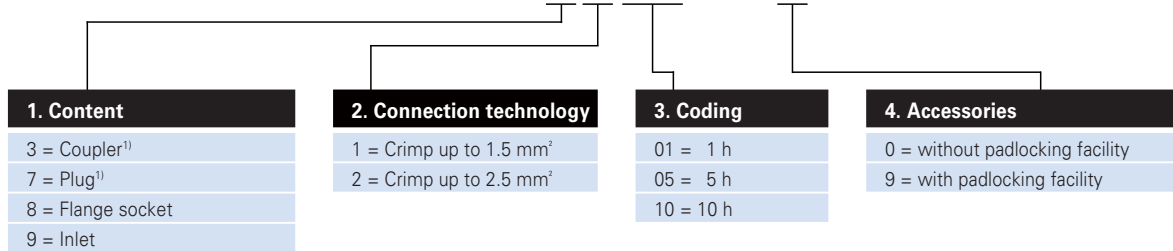
Inlet



Coupler

Ordering key eXLink 4-pole + PE for armoured cables

GHG 574 XXXX R7X0X



Ordering details

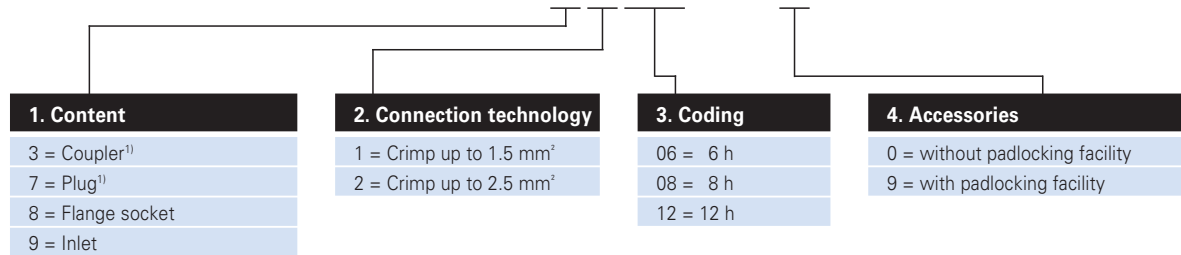
Voltage	No. of poles	Coding	Power connection	Diameter of connection cable 12 - 21 mm	
				Order No.	Order No.
Plug/coupler made of stainless steel AISI 316L for armoured cable¹⁾				Plug	Coupler
Ethernet/Bus	4-pol + PA	1 h	Crimp up to 1.5 mm ²	GHG 574 7101 R7003	GHG 574 3101 R7003
24 V DC	4-pol + PE	5 h	Crimp up to 1.5 mm ²	GHG 574 7105 R7003	GHG 574 3105 R7003
24 V DC	4-pol + PE	5 h	Crimp up to 2.5 mm ²	GHG 574 7205 R7003	GHG 574 3205 R7003
30 V AC	4-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 574 7110 R7003	GHG 574 3110 R7003
230 V AC	4-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 574 7210 R7003	GHG 574 3210 R7003
Inlet/receptacle made of stainless steel AISI 316L				Inlet	Flange socket
Ethernet/Bus	4-pol + PA	1 h	300 mm 1.5 mm ²	GHG 574 9101 R7001	GHG 574 8101 R7001
24 V DC	4-pol + PE	5 h	300 mm 1.5 mm ²	GHG 574 9105 R7001	GHG 574 8105 R7001
24 V DC	4-pol + PE	5 h	300 mm 2.5 mm ²	GHG 574 9205 R7001	GHG 574 8205 R7001
230 V AC	4-pol + PE	10 h	300 mm 1.5 mm ²	GHG 574 9110 R7001	GHG 574 8110 R7001
230 V AC	4-pol + PE	10 h	300 mm 2.5 mm ²	GHG 574 9210 R7001	GHG 574 8210 R7001

¹⁾ Strain relief in nickel-plated brass



Ordering key eXLink 4-pole for armoured cables

GHG 571 XXXX R7X0X



Ordering details

Voltage	No. of poles	Coding	Power connection	Diameter of connection cable 12 - 21 mm	
				Order No.	Order No.
Plug/coupler made of stainless steel AISI 316L for armoured cable¹⁾				Plug	Coupler
230 V AC	2-pol + PE	6 h	1.5 mm ² Crimp	GHG 571 7106 R7003	GHG 571 3106 R7003
230 V AC	2-pol + PE	6 h	2.5 mm ² Crimp	GHG 571 7206 R7003	GHG 571 3206 R7003
24 V DC	4-pol	8 h	1.5 mm ² Crimp	GHG 571 7108 R7003	GHG 571 3108 R7003
24 V DC	4-pol	8 h	2.5 mm ² Crimp	GHG 571 7208 R7003	GHG 571 3208 R7003
24 V AC	2-pol + PE	12 h	1.5 mm ² Crimp	GHG 571 7112 R7003	GHG 571 3112 R7003
24 V AC	2-pol + PE	12 h	2.5 mm ² Crimp	GHG 571 7212 R7003	GHG 571 3212 R7003
Inlet/receptacle made of stainless steel AISI 316L				Inlet	Flange socket
230 V AC	2-pol + PE	6 h	300 mm 1.5 mm ²	GHG 571 9106 R7001	GHG 571 8106 R7001
230 V AC	2-pol + PE	6 h	300 mm 2.5 mm ²	GHG 571 9206 R7001	GHG 571 8206 R7001
24 V DC	4-pol	8 h	300 mm 1.5 mm ²	GHG 571 9108 R7001	GHG 571 8108 R7001
24 V DC	4-pol	8 h	300 mm 2.5 mm ²	GHG 571 9208 R7001	GHG 571 8208 R7001
24 V AC	2-pol + PE	12 h	300 mm 1.5 mm ²	GHG 571 9112 R7001	GHG 571 8112 R7001
24 V AC	2-pol + PE	12 h	300 mm 2.5 mm ²	GHG 571 9212 R7001	GHG 571 8212 R7001

¹⁾ Strain relief in nickel-plated brass

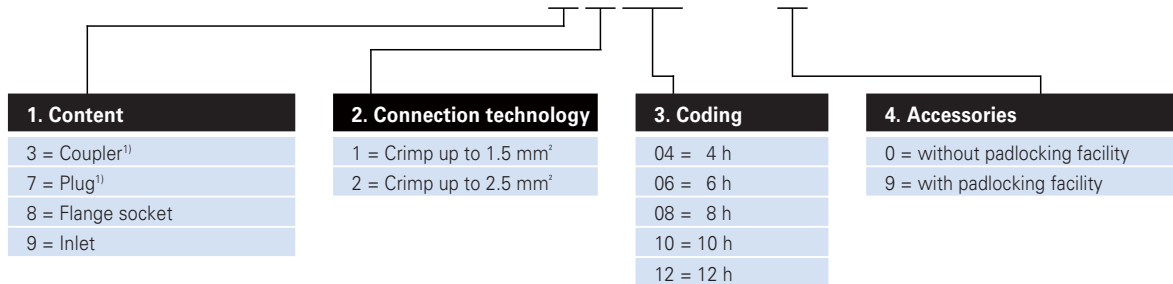


Plug

Coupler

Ordering key eXLink 6-pole + PE for armoured cables

GHG 572 XXXX R7X0X



Ordering details

Voltage	No. of poles	Coding	Power connection	Diameter of connection cable 12 - 21 mm	
				Order No.	Order No.
Plug/coupler made of stainless steel AISI 316L for armoured cable¹⁾				Plug	Coupler
110 V AC	6-pol + PE	4 h	Crimp up to 1.5 mm ²	GHG 572 7104 R7003	GHG 572 3104 R7003
110 V AC	6-pol + PE	4 h	Crimp up to 2.5 mm ²	GHG 572 7204 R7003	GHG 572 3204 R7003
230 V AC	6-pol + PE	6 h	Crimp up to 1.5 mm ²	GHG 572 7106 R7003	GHG 572 3106 R7003
230 V AC	6-pol + PE	6 h	Crimp up to 2.5 mm ²	GHG 572 7206 R7003	GHG 572 3206 R7003
24 V DC	7-pol	8 h	Crimp up to 1.5 mm ²	GHG 572 7108 R7003	GHG 572 3108 R7003
24 V DC	7-pol	8 h	Crimp up to 2.5 mm ²	GHG 572 7208 R7003	GHG 572 3208 R7003
400 V AC	6-pol + PE	10 h	Crimp up to 1.5 mm ²	GHG 572 7110 R7003	GHG 572 3110 R7003
400 V AC	6-pol + PE	10 h	Crimp up to 2.5 mm ²	GHG 572 7210 R7003	GHG 572 3210 R7003
24 V AC	6-pol + PE	12 h	Crimp up to 1.5 mm ²	GHG 572 7112 R7003	GHG 572 3112 R7003
24 V AC	6-pol + PE	12 h	Crimp up to 2.5 mm ²	GHG 572 7212 R7003	GHG 572 3212 R7003
Inlet/receptacle made of stainless steel AISI 316L				Inlet	Flange socket
110 V AC	6-pol + PE	4 h	300 mm 1.5 mm ²	GHG 572 9104 R7001	GHG 572 8104 R7001
110 V AC	6-pol + PE	4 h	300 mm 2.5 mm ²	GHG 572 9204 R7001	GHG 572 8204 R7001
230 V AC	6-pol + PE	6 h	300 mm 1.5 mm ²	GHG 572 9106 R7001	GHG 572 8106 R7001
230 V AC	6-pol + PE	6 h	300 mm 2.5 mm ²	GHG 572 9206 R7001	GHG 572 8206 R7001
24 V DC	7-pol	8 h	300 mm 1.5 mm ²	GHG 572 9108 R7001	GHG 572 8108 R7001
24 V DC	7-pol	8 h	300 mm 2.5 mm ²	GHG 572 9208 R7001	GHG 572 8208 R7001
400 V AC	6-pol + PE	10 h	300 mm 1.5 mm ²	GHG 572 9110 R7001	GHG 572 8110 R7001
400 V AC	6-pol + PE	10 h	300 mm 2.5 mm ²	GHG 572 9210 R7001	GHG 572 8210 R7001
24 V AC	6-pol + PE	12 h	300 mm 1.5 mm ²	GHG 572 9112 R7001	GHG 572 8112 R7001
24 V AC	6-pol + PE	12 h	300 mm 2.5 mm ²	GHG 572 9212 R7001	GHG 572 8212 R7001

¹⁾ Strain relief in nickel-plated brass



1.16

Pre-Assembled Branching/Terminal Boxes

1 eXLink technology combined with terminal boxes for Zone 1 and Zone 21

Safe costs for installation and maintenance

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 made to your requirements

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-assembly of cables, re-wiring of connections and testing procedures will arise.



Features

- Hot swap
- Customized solutions
- Pre-assembled eXLink connectors wired on terminals
- for all standard connection types up to 7-pole
- Nominal current up to 16 A per connector
- Compatible with Ethernet® and Fast Ethernet®-Bus



GHG 731 12



GHG 791 02



GHG 791 w. lockina device

Technical data

Type 791 01 / Type 791 02

Marking accd. to 2014/34/EU	⊕ II 2 G Ex e IIC T5/T6 Gb / ⊕ II 2 D Ex tb IIIC T80°C Db
EC-Type Examination Certificate	BVS 16 ATEX E 031
IECEX Certificate of Conformity	IECEX BVS 16.0024
Marking accd. to IECEx	Ex e IIC T5/T6 Gb Ex tb IIIC T80°C Db
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
Protection class	I
Degree of protection accd. to 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 accd. to 2014/34/EU	⊕ II 2 G Ex de ia/ib [ja/ib] m IIC T4 ⊕ II 2 D Ex tD A21 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
Protection class	I
Degree of protection accd. to 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

Coding	Components	Cable gland	Terminals	Order No.
Ordering details for readey made, prewired terminal boxes GHG 791 01				
230 V AC 10h	2 x flange socket 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 flange socket 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 flange socket 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 02h	1 x flange socket GHG 571 8102 R000x	1 x M20	4 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5202
230 V AC 10h	1 x flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 inlet 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 flange socket GHG 571 8102 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 flange socket 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 flange socket 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



GHG 731 12



GHG 791 02

Ordering details

Coding	Components	Cable gland	Terminals	Order No.
Ordering details for ready made, prewired terminal boxes GHG 791 01				
02h / 08h	1 x flange socket GHG 571 8102 R300x 1 x flange socket GHG 571 8108 R300x	2 x M20	8 x 2.5 mm ² 1 x PE/PA	GHG 791 0101 R5226
BUS 02h	1 x flange socket 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 flange socket 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 flange socket 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 24 V DC 12h	1 x flange socket GHG 571 8108 R000x 1 x flange socket GHG 571 8112 R000x	1 x M20 Ex-i	12 x 2.5 mm ² 1 x PE/PA	GHG 791 0201 R5002
230 V AC 10h	1 x flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket 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 flange socket GHG 571 8112 R000x 1 x flange socket 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 flange socket 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 flange socket GHG 571 8108 R000x	1 x M25 Ex-i	12 x 2.5 mm ²	GHG 731 1201 R5001
230 V AC 6h 230 V AC 10h	1 x inlet GHG 574 9103 R000x 1 x inlet GHG 574 9110 R000x	2 x M20	8 x 2.5 mm ² 2 x PE/PA	GHG 731 1201 R5002

Other types and sizes on request

Explosion protected terminal boxes eXLink



GHG 791 w. locking device

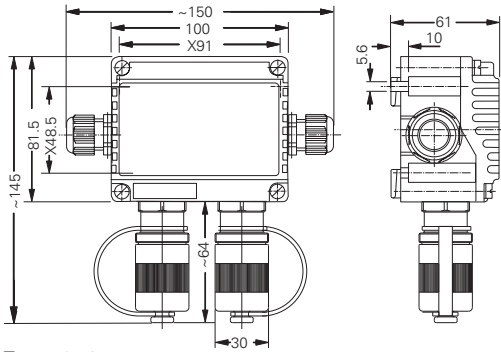


GHG 791 02

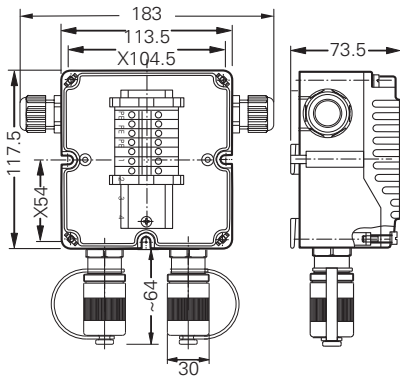


GHG 731 12

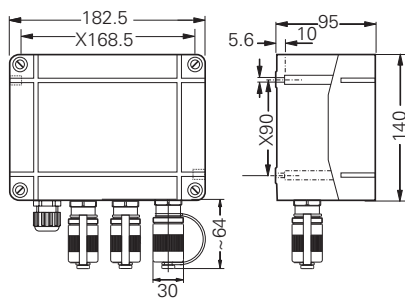
Dimension drawing eXLink



Type 791 01



Type 791 02



Type 731 12

X = fixing dimensions