

EX - PLUGS AND RECEPTACLES

10 A to 125 A
Plastic version for Zone 1 and Zone 21

A good connection

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

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

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

CEAG plugs and receptacles offer more, apart from the proven technology, this product series is defined by its innovative details. For example, the very efficient cable strain relief or the new coding system of the various versions offers different solutions for a secure and problem free utilization in all areas. Just to round the product off, the user in the normal industrial sector becomes exactly the same product advantages. Robust industrial versions fulfil all requirements appertaining to mechanical and chemical durability. For the stationary repair power supplying in hazardous explosive areas, there is a specially conceived version available that fulfils all the necessary safety requirements. Used in a module sense, individual solutions are no problem at all.

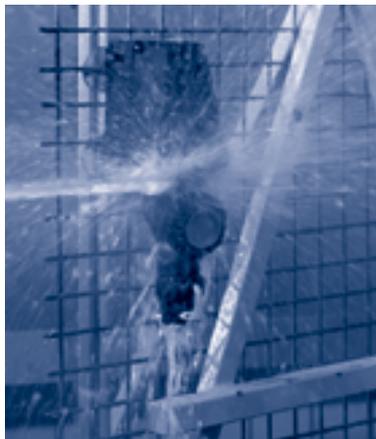
The CEAG wall socket for instance can be mounted on to the pre-installed mounting frame without having to use tools – installation without a hot work permit.

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

International approvals.

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





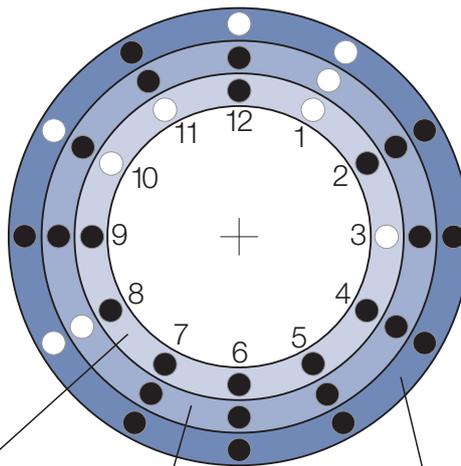
High ingress protection

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!

CEE plugs and receptacles

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



Ground pin location	Number of pins (P = Power, N = Neutral, PE = Earth or Ground)		
	2 P + PE P + N + PE	3 P + PE	3 P + N + PE
2h	>50 V, 300 - 500 Hz, only 16 A/32 A green housing	>50 V, 300 - 500 Hz, only 16 A/32 A green housing	>50 V, 300 - 500 Hz, only 16 A/32 A green housing
3h	–	380 V, 50 Hz, nur 16 A/32 A 440 V, 60 Hz, nur 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 blaues Gehäuse	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 Gleichspannung 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 50V

Ex-Plugs and Receptacles

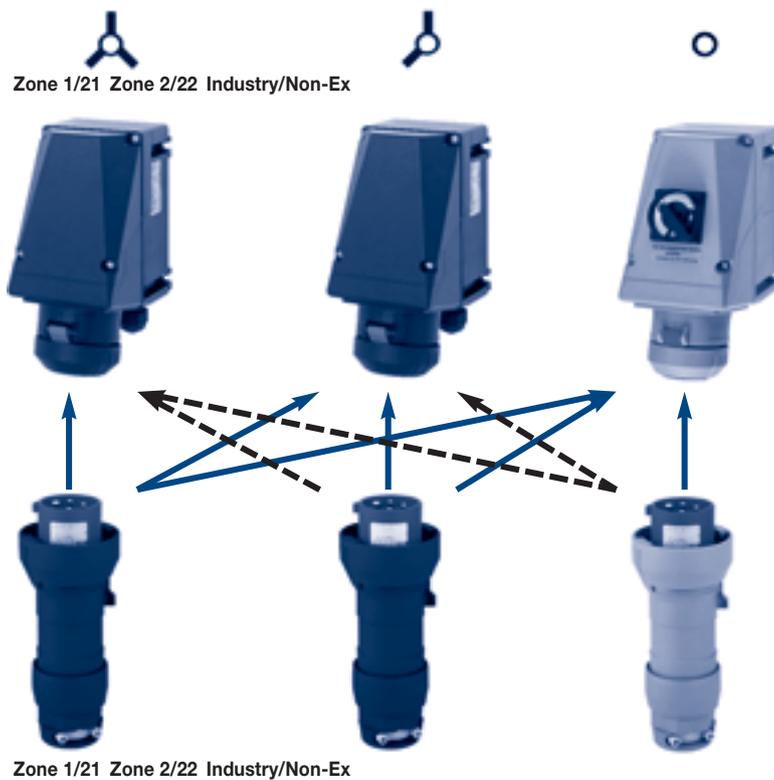


The key to safety

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

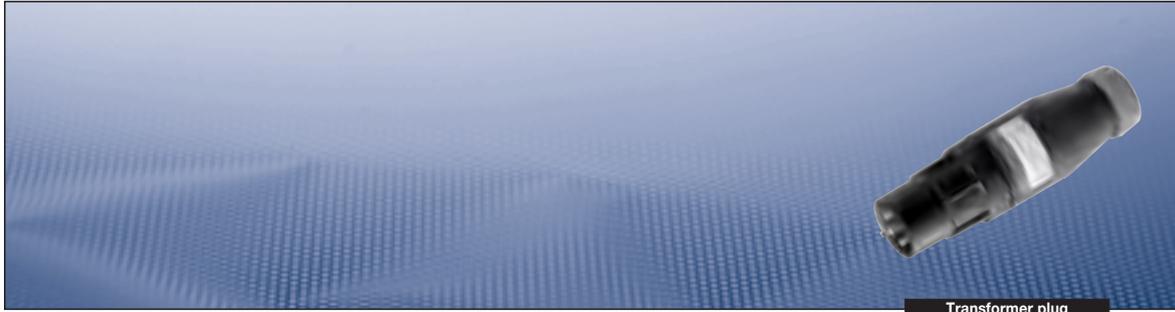
Zone 1	Zone 2	Industry

Coding of the plugs and receptacles



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

**16A 4-/5-pole transf. plug |
| Plug with fuse |**



Transformer plug

Technical data

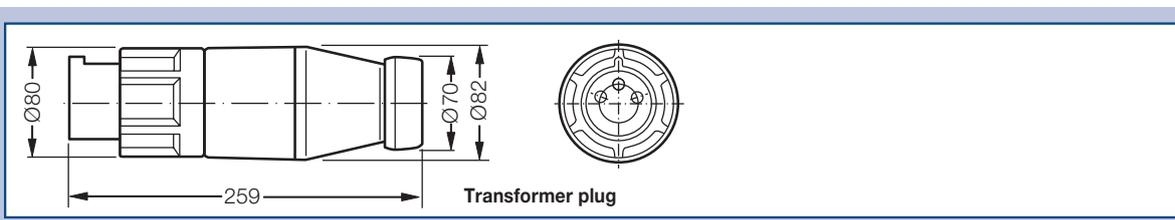
Ex-transformer plug acc. to IEC 60309-1/2, up to 415 V

Marking to 94/9/EC	Ⓔ II 2 G Ex ed IIC T5
EC-Type Examination Certificate	PTB 99 ATEX 1039
IECEX type of protection	Ex ed [ia] IIC T6/T5
IECEX certification of conformity	IECEX BKI 04.0002
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage primary	415 V AC
Rated voltage secondary	12 V, 24 V, 36 V, 42 V or 230 V~
Frequency	50 - 60 Hz
Power consumption	max. 65 VA
Back up fuse, internal	0.5 A mT, replaceable
Connecting terminals	1 x 1 - 4 mm ²
Insulation class	I
Degree of protection to EN 60529	IP54
Cable glands	Ø 10 - 20 mm
Enclosure material	Glass-fibre reinforced polyester, polyamide

Ordering details

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

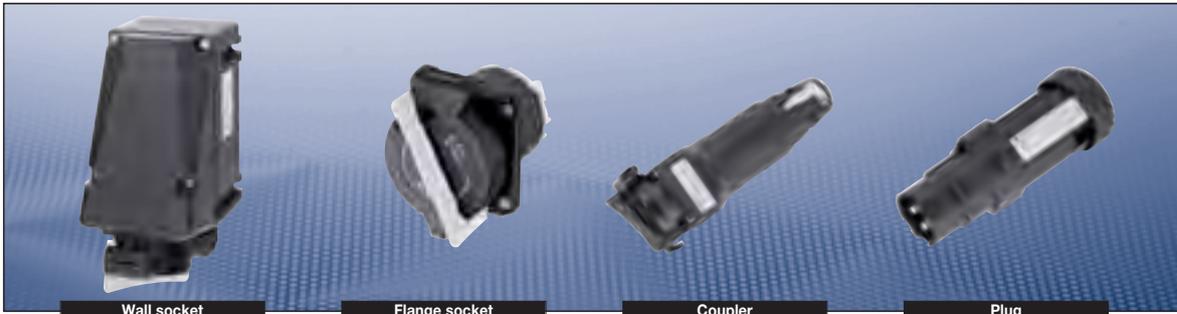
Dimension drawing



Dimensions in mm

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



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 to 94/9/EC	Ⓔ II 2 G Ex de [ia] IIC T6/T5
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1039 Flange socket: PTB 99 ATEX 1063 U
IECEx certification of conformity	IECEx BKI 04.0002
IECEx type of protection	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-55 °C to +55 °C
Rated voltage	up to 50 V
Rated current	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 to EN 60529	IP54 (IP 66 optional)

Wall socket

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

Plug

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

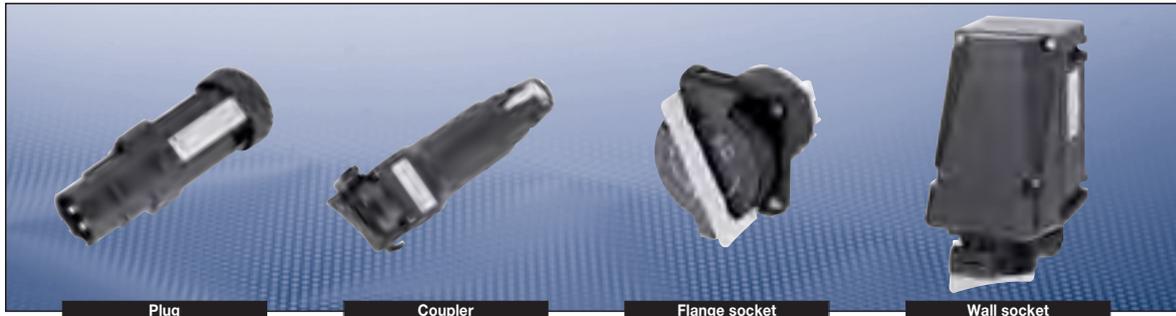
Coupler

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

Flange socket

Connecting terminals	1.5 - 4 mm ²
Enclosure material	Polyamide

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



Ordering details

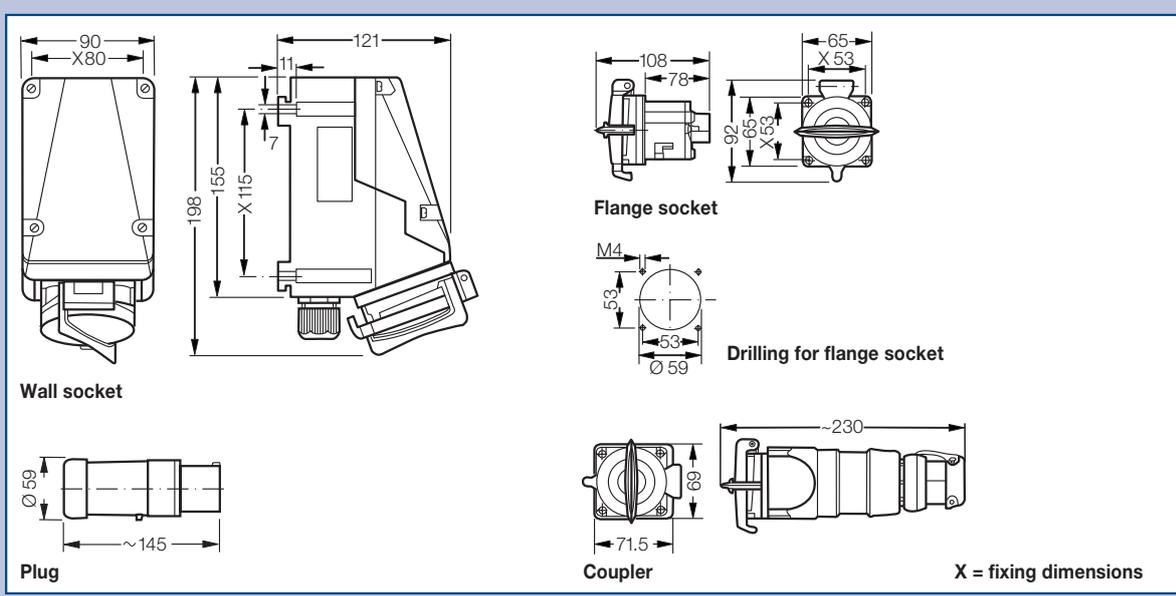
Voltage	h	Type	Cable entries	Weight approx.	Order No.
Type 2-pole low voltage					
≤ 24 V		Wall socket	M25 KU	1.2 kg	GHG 513 4200 R0001
		Flange socket		0.4 kg	GHG 542 5200 V0000
		Coupler		0.7 kg	GHG 513 3200 R0001
		Plug		0.35 kg	GHG 542 2200 V0000
42 V		Wall socket	M25 KU	1.2 kg	GHG 513 4212 R0001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

Other voltage ranges and versions available on request

Accessories

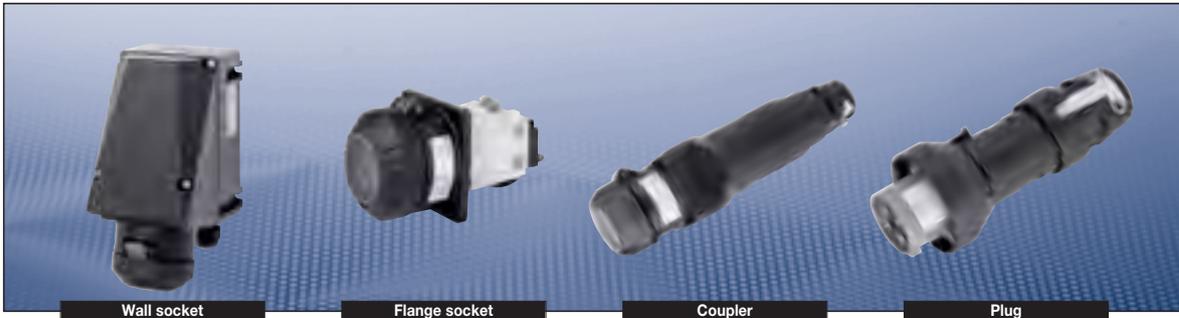
Type	Application	Fixing method	Order No.
Mounting plate size 4	wall mounting	snap on for GHG 531 4/5 pole	GHG 610 1953 R0151
Mounting plate size 4	wall mounting	snap on for GHG 531 3 pole	GHG 610 1953 R0152
Protective canopy size 4		puggable	GHG 610 1955 R0107

Dimension drawing



Dimensions in mm

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



Technical data

Ex-plugs and receptacles acc. to IEC 60309-1/2 16A	
Marking to 94/9/EC	Ⓔ II 2 G Ex ed IIC T6 / Ⓔ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1039 Flange socket: PTB 99 ATEX 1040 U
IECEx certification of conformity	IECEx BKI 04.0002
IECEx type of protection	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20°C to +40°C 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 690 V / I _e 16 A
External back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gL (rated current 16 A set to)
Insulation class	I
Degree of protection to EN 60529	IP66

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

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

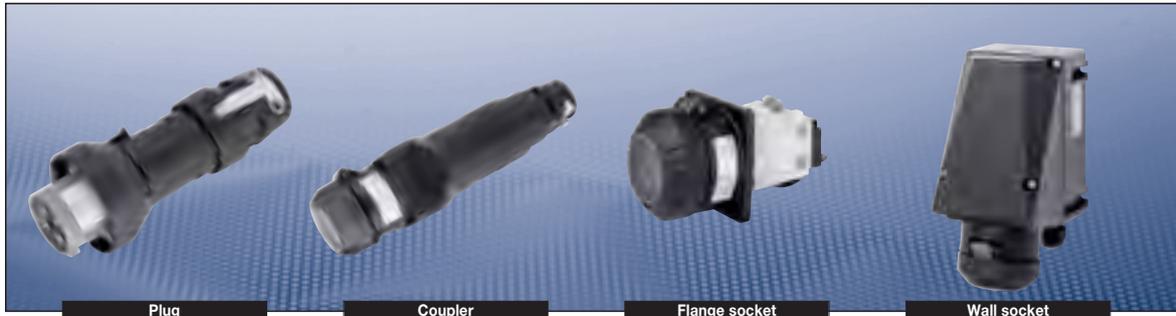
Coupler	
Cable glands	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	2 x 1 - 4 mm ²
Enclosure material	polyamide

Flange socket	
Connecting terminals	2 x 1 - 4 mm ²
Enclosure material	polyamide

¹⁾ extended temperature range on request

Ordering details

Voltage	h	Type	Auxiliary contact	Cable entries	Weight approx.	Order No.
110-130 V		Wall socket	-	M25 KU	1.2 kg	GHG 511 4304 R0001
		Wall socket	-	M20 GE	1.2 kg	GHG 511 4304 R0002
		Wall socket	-	M20 ME	1.3 kg	GHG 511 4304 R3001
		Wall socket	-	M20 GM	1.3 kg	GHG 511 4304 R3003
	4	Flange socket			0.4 kg	GHG 511 8304 R0001
		Coupler			0.7 kg	GHG 511 3304 R0001
		Plug			0.35 kg	GHG 511 7304 R0001



Ordering details

Voltage	h	Type	Auxiliary contact	Cable entries	Weight approx.	Order No.
Type 16 A 3-pole						
200-250 V		Wall socket	–	M25 KU	1.2 kg	GHG 511 4306 R0001
		Wall socket	–	M20 GE	1.2 kg	GHG 511 4306 R0002
		Wall socket	–	M20 ME	1.3 kg	GHG 511 4306 R3001
	6	Wall socket	–	M20 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	–	M25 KU	1.8 kg	GHG 511 4409 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4409 R3001
		Flange socket			1.0 kg	GHG 511 8409 R0001
	9	Coupler			1.7 kg	GHG 511 3409 R0001
		Plug			0.7 kg	GHG 511 7409 R0001
380-415 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4406 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4406 R3001
		Wall socket	yes	M25 KH	1.8 kg	GHG 511 4406 R0501
	6	Flange socket			1.0 kg	GHG 511 8406 R0001
		Coupler			1.7 kg	GHG 511 3406 R0001
		Plug			0.7 kg	GHG 511 7406 R0001
480-500 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4407 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4407 R3001
		Wall socket	yes	M25 KH	1.8 kg	GHG 511 4407 R0501
	7	Flange socket			1.0 kg	GHG 511 8407 R0001
		Coupler			1.7 kg	GHG 511 3407 R0001
600-690 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4405 R0001
		Wall socket	–	M20 ME	1.9 kg	GHG 511 4405 R3001
		Wall socket	yes	M25 KH	1.8 kg	GHG 511 4405 R0501
	5	Flange socket			1.0 kg	GHG 511 8405 R0001
		Coupler			1.7 kg	GHG 511 3405 R0001
		Plug			0.7 kg	GHG 511 7405 R0001
Type 16 A 5-pole						
200-250 V		Wall socket	–	M25 KU	1.8 kg	GHG 511 4506 R0001
380-415 V		Wall socket	–	M20 ME	1.9 kg	GHG 511 4506 R3001
		Wall socket	yes	M25 KH	1.8 kg	GHG 511 4506 R0501
		Flange socket			1.0 kg	GHG 511 8506 R0001
		Coupler			1.7 kg	GHG 511 3506 R0001
6	Plug			0.7 kg	GHG 511 7506 R0001	

Other voltage ranges and versions available on request.

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

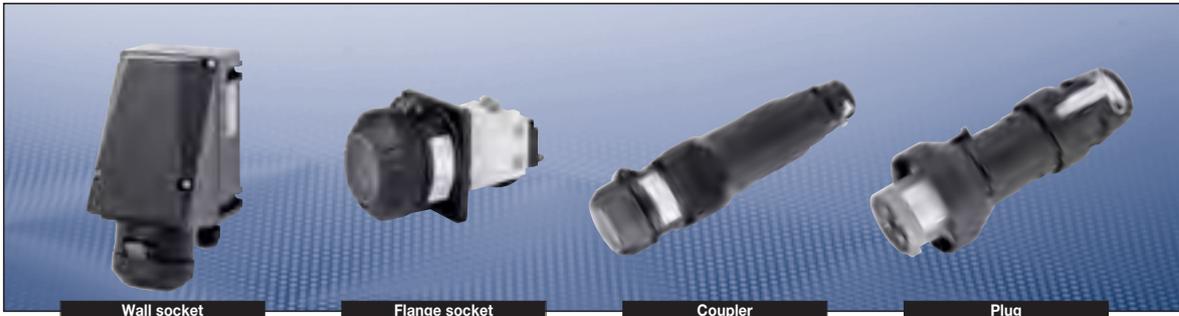
KH = 2 x plastic cable glands M25 for Ø 8 - 17 mm, auxiliary contact, 1 NO

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

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

GM = 2 x metal thread M20 without cable gland/screw plug

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



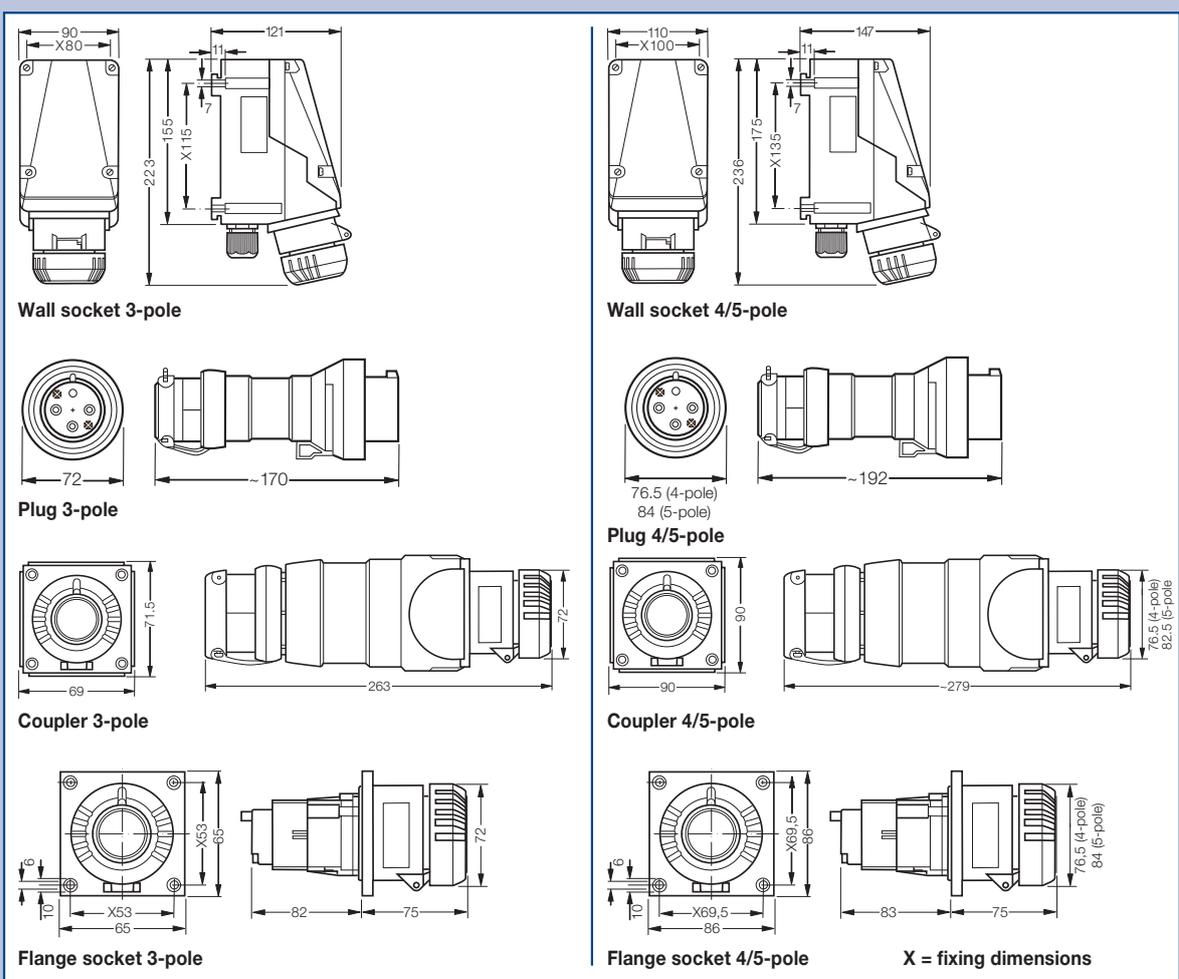
Wall socket

Flange socket

Coupler

Plug

Dimension drawing | Wiring diagram



Dimensions in mm



Accessories

Mounting plates for wall sockets 16 A

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

Plug cap for plugs 16 A

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

Accessories for mounting plates

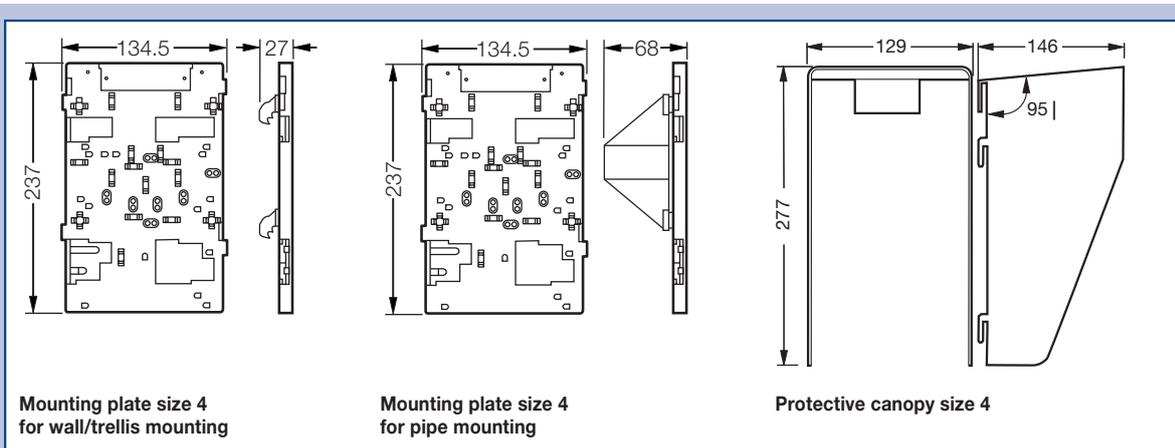
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Protective canopy for mounting plate

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

Dimension drawing



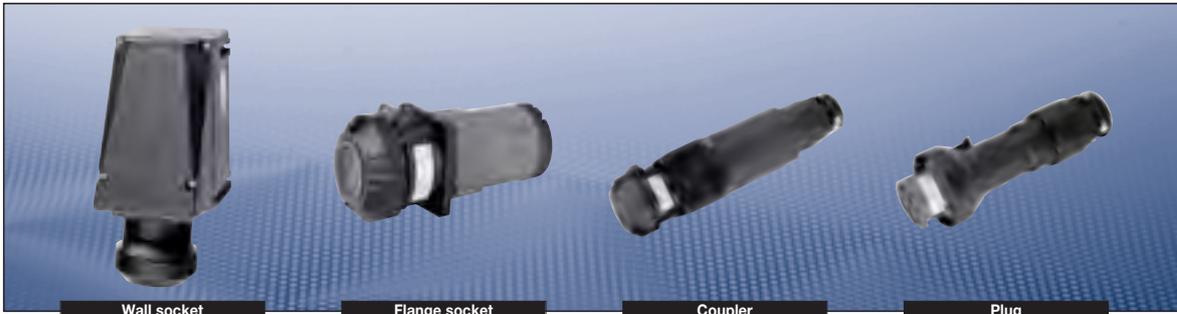
Mounting plate size 4 for wall/trellis mounting

Mounting plate size 4 for pipe mounting

Protective canopy size 4

Dimensions in mm

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



Technical data

Ex-plugs and receptacles accd. to IEC 60309-1/2	
Marking to 94/9/EC	⊕ II 2 G Ex de (ia) IIC T6 / ⊕ II 2 D Ex tD A21 IP66 T60 °C
EC-Type Examination Certificate	Wall socket, plug and coupler: PTB 99 ATEX 1041 Flange socket: PTB 99 ATEX 1042 U
IECEX certification of conformity	IECEX BKI 04.0006
IECEX type of protection	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to +40 °C ¹⁾
Rated voltage	up to 750 V (AC)
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
External back-up fuse	without therm. protection: 35 A with therm. protection: 50 A gL (rated current 32 A set to
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

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

Coupler

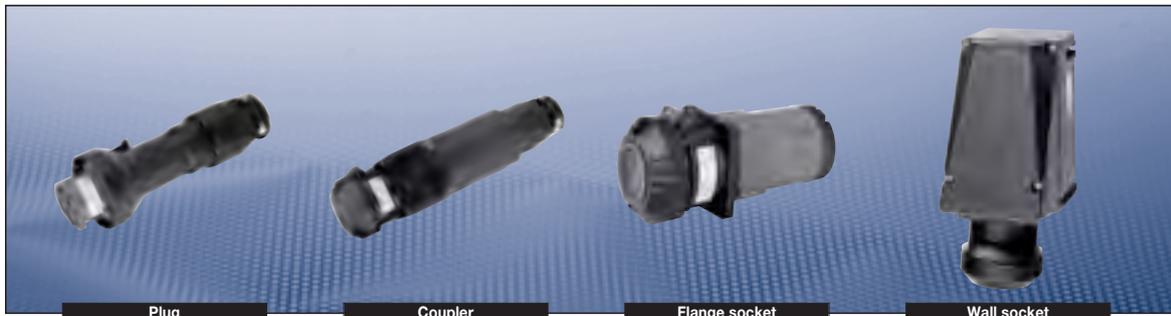
Cabel glands	Ø 17 - 28 mm
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	Polyamide

Flange socket

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

¹⁾ extended temperature range on request

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



Ordering details

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

Other voltage ranges and versions available on request.

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

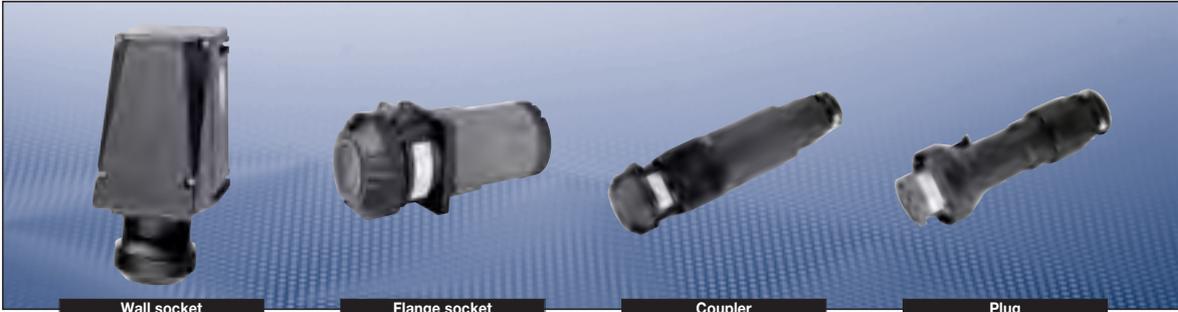
KH = 1 x plastic cable glands M40 for Ø 16-28 mm,

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

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

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



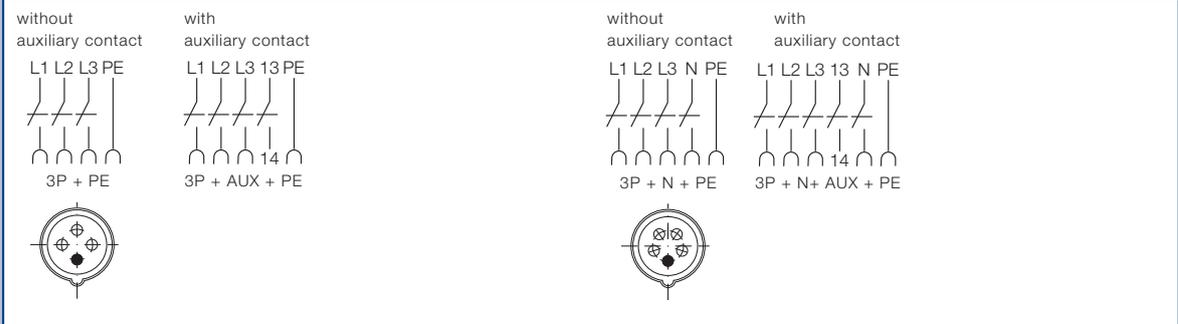
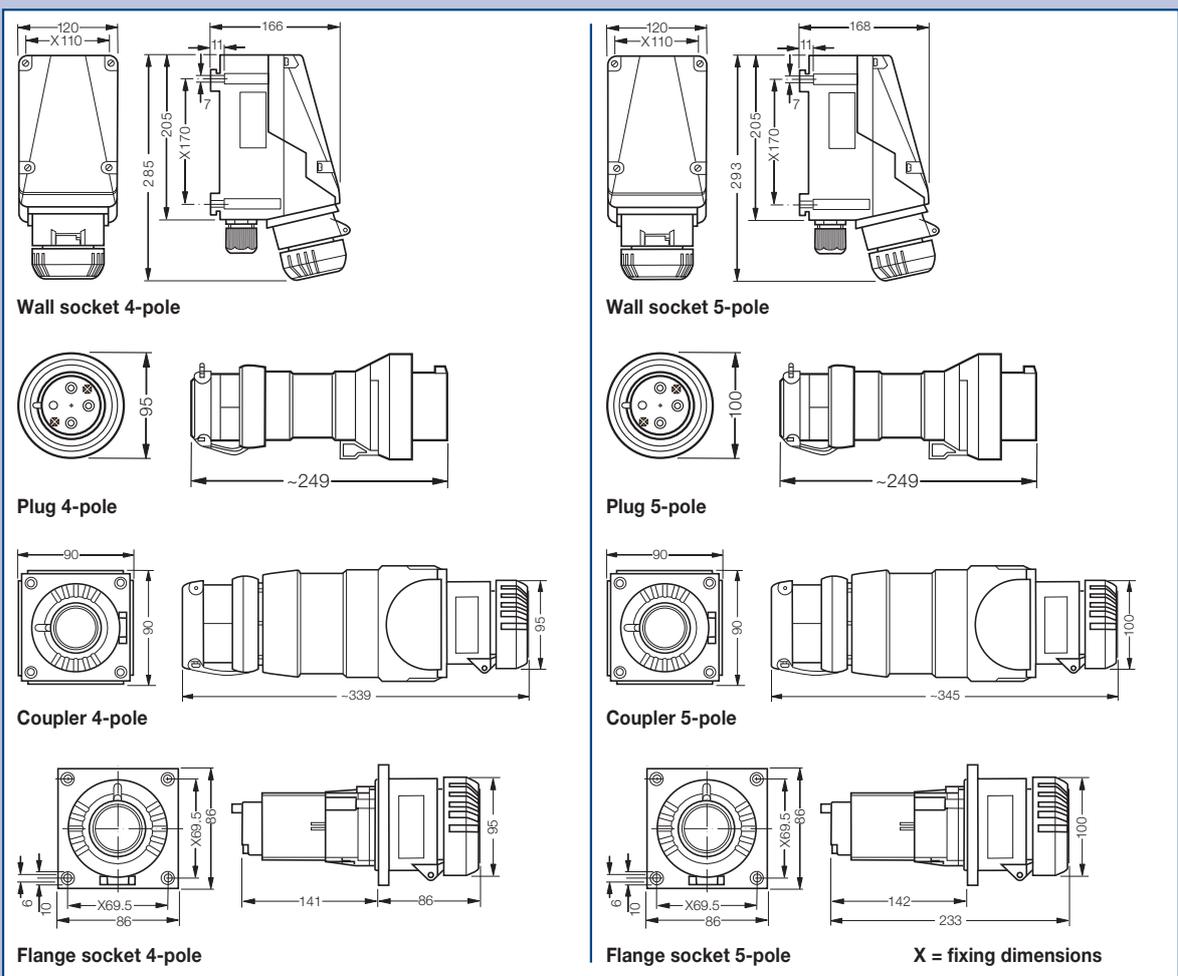
Wall socket

Flange socket

Coupler

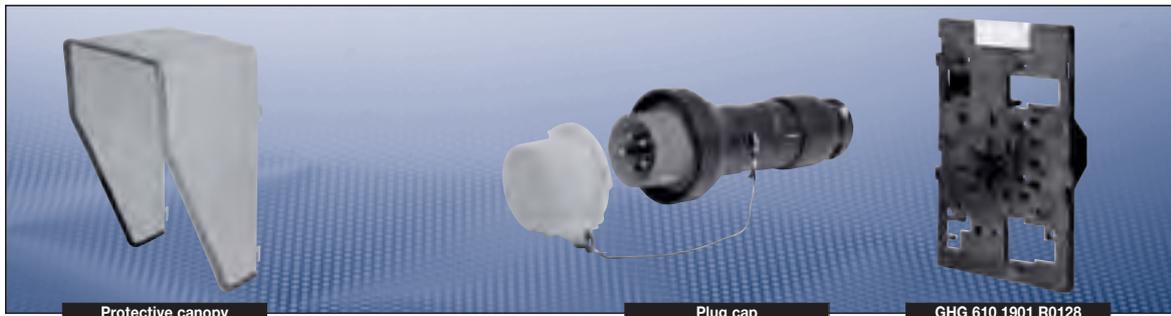
Plug

Dimension drawing | Wiring diagram



Dimensions in mm

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



Accessories

Mounting plates for wall sockets 32 A

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

Plug cap for plugs 32 A

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

Accessories for mounting plates

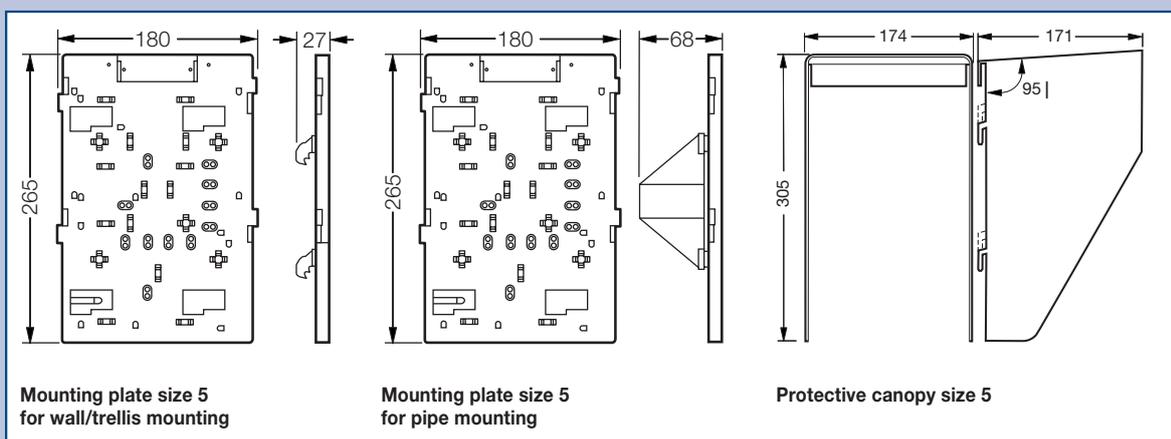
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Protective canopy for mounting plate

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

Dimension drawing



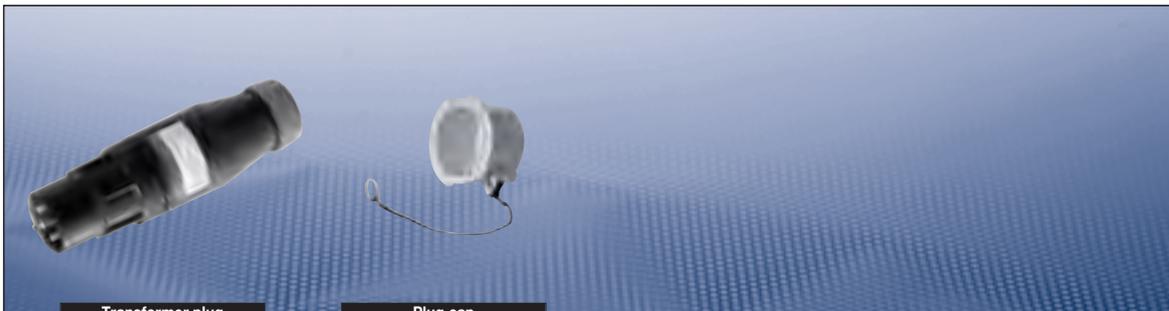
Mounting plate size 5
for wall/trellis mounting

Mounting plate size 5
for pipe mounting

Protective canopy size 5

Dimensions in mm

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



Transformer plug

Plug cap

Technical data

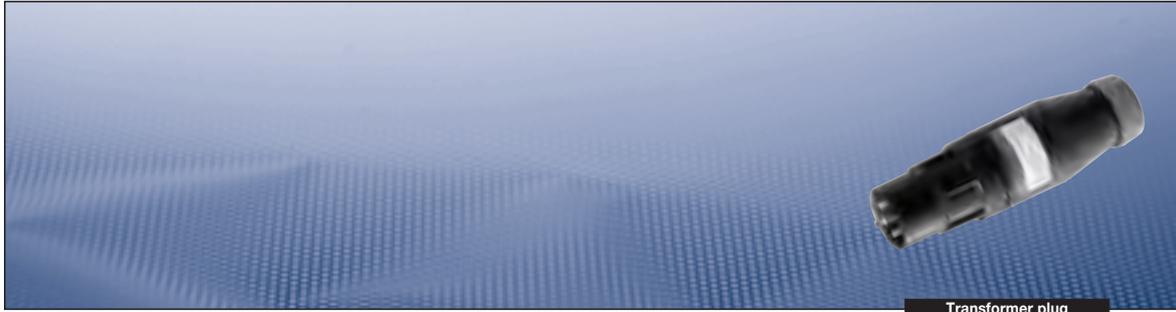
Ex-transformer plug accd. to IEC 60309-1/2, up to 415 V	
Marking to 94/9/EC	Ⓔ II 2 G Ex de IIC T5
EC-Type Examination Certificate	PTB 99 ATEX 1041
IECEX certification of conformity	IECEX BK1 04.0006
IECEX type of protection	Ex ed [ia] IIC T6/T5
Permissible ambient temperature	-20 °C to + 40 °C ¹⁾
Rated 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
Insulation class	I
Degree of protection to EN 60529	IP54
Enclosure material	Glass-fibre reinforced polyester, polyamide

Ordering details

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

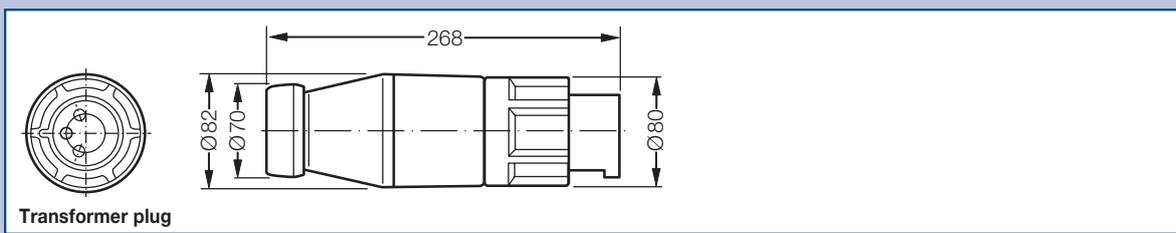
¹⁾ extended temperature range on request

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



Transformer plug

Dimension drawing



Transformer plug

Dimensions in mm

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- 2
- 3
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| 63 A 4- and 5-pole up to 690 V |



Technical data

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

Marking to 94/9/EC	Ⓔ II 2 G Ex de IIC T5/T6 / Ⓔ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 00 ATEX 1070
IECEX certification of conformity	IECEX BKI 04.0004
IECEX type of protection	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 gL (rated current 63 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

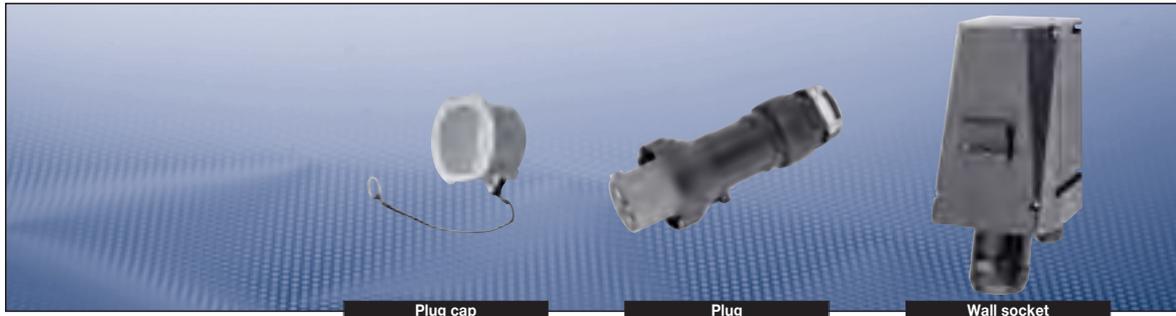
Wall socket

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

Plug

Cabel glands	Ø 19 - 34 mm
Connecting terminals	1 x 4 - 16 mm ² / pin-cable lug ²⁾ 1 x 25 mm ²
Enclosure material	Polyamide

¹⁾ extended temperature range on request



Plug cap

Plug

Wall socket

Ordering details

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

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

Accessories

Plug cap for plugs

Type	OU	Order No.
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0006
Pin cable lug 25 mm ²	5	GHG 510 1916 R0001

Other voltage ranges and versions available on request.

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

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

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

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

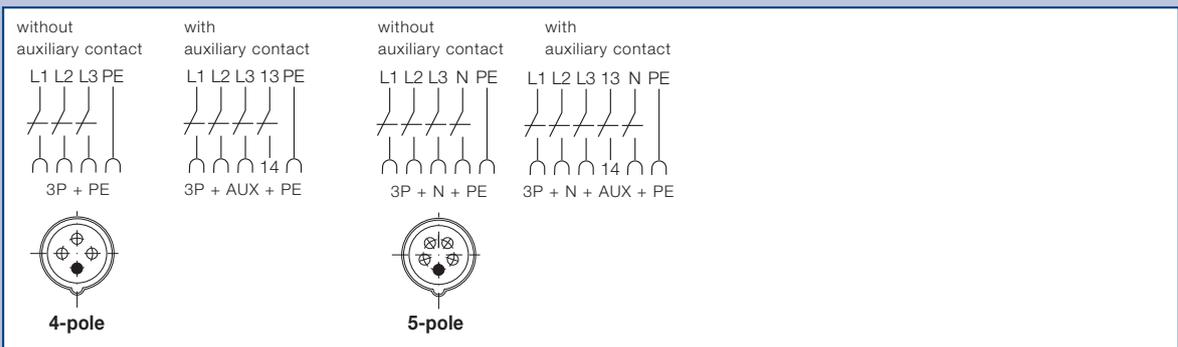
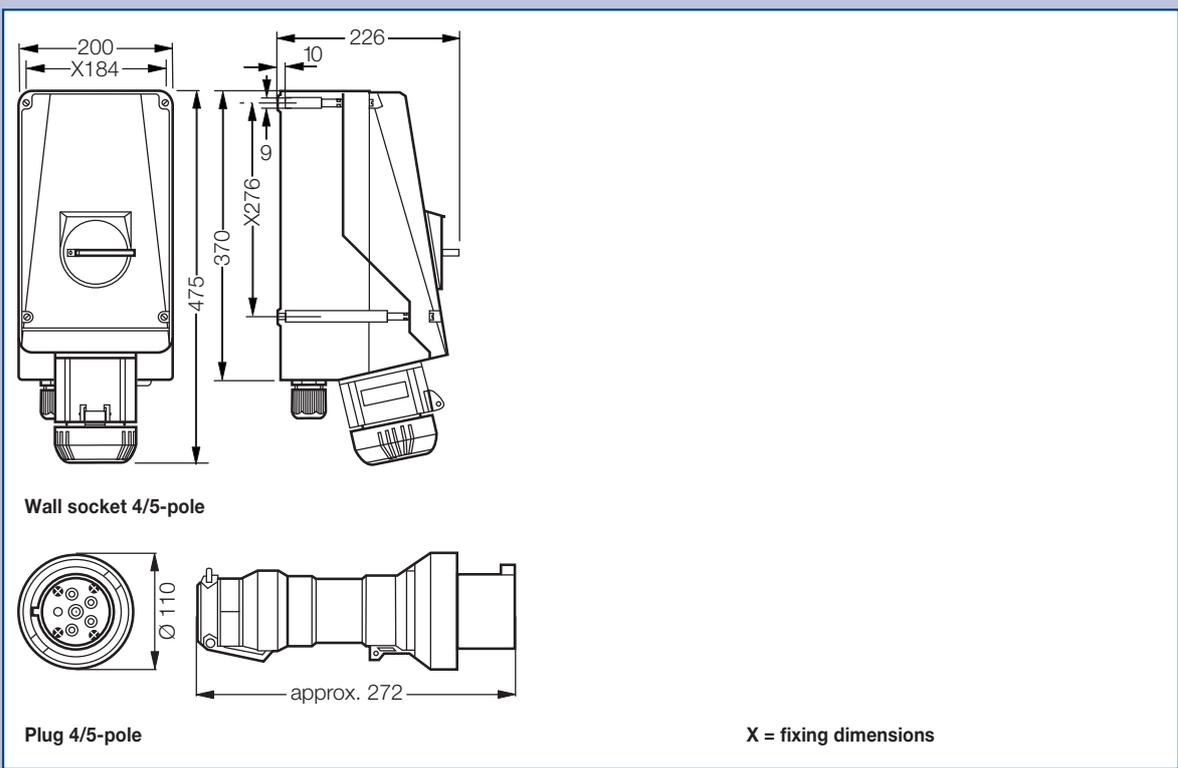
| 63 A 4- and 5-pole up to 690 V |



Wall socket

Plug

Dimension drawing | Wiring diagram



Dimensions in mm



Technical data

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

Marking to 94/9/EC	Ex II 2 G Ex de IIC T6 / Ex II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 01 ATEX 1069
IECEX certification of conformity	IECEX BKI 04.0005
IECEX type of protection	Ex ed IIC T6
Permissible ambient temperature	-20 °C to + 40 °C ¹⁾
Rated voltage	690 V (AC)
Rated current	125 A (AC)
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 gL (rated current 125 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

Wall socket

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

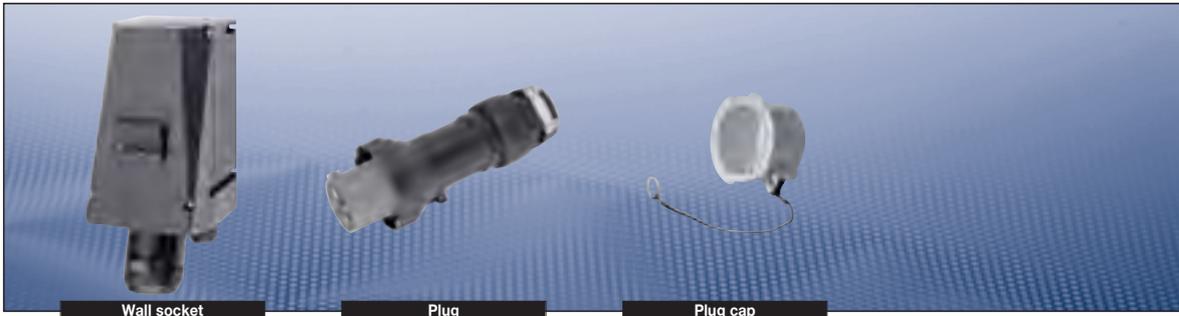
Plug

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

¹⁾ extended temperature range on request

²⁾ use only delivered cable lug

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



Ordering details

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

Type 125 A 5-pole						
200-250 V		Wall socket	-	KU	13.0 kg	GHG 515 4506 R0001
380-415 V		Wall socket	-	ME	13.2 kg	GHG 515 4506 R3001
		Wall socket	yes	KH	13.2 kg	GHG 515 4506 R0501
		Plug			1.2 kg	GHG 515 7506 R0001

Accessories

Type	OU	Order No.
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0007
Cable lug 50 mm ²	5	GHG 260 1911 R0004

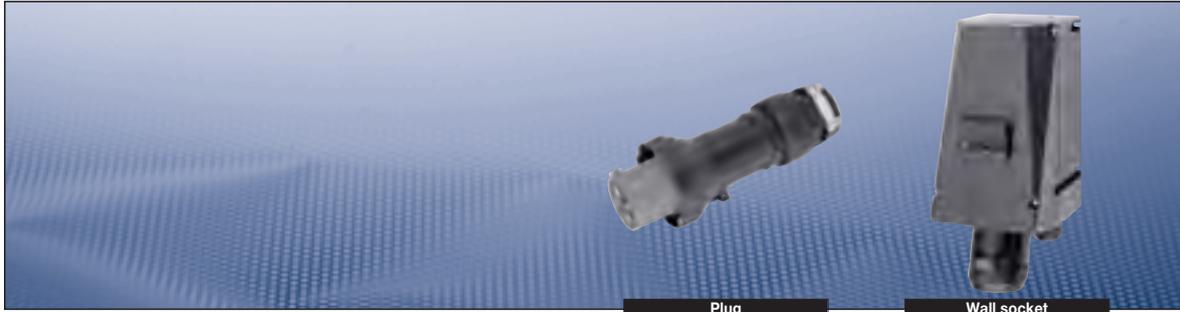
Other voltage ranges and versions available on request.

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

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

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

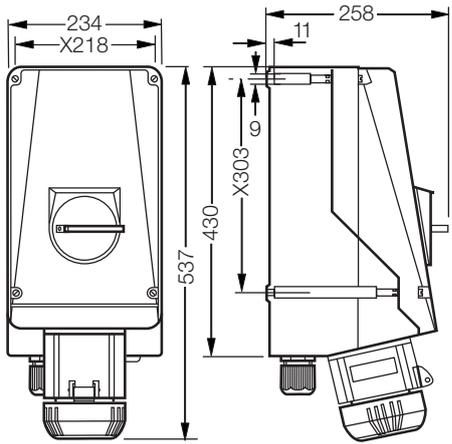
ME = 2 x metal thread M32 with Ex-screw plug plastic



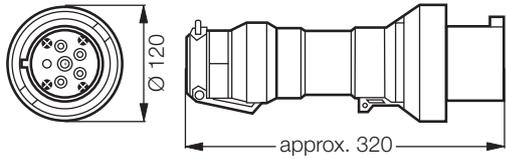
Plug

Wall socket

Dimension drawing | Wiring diagram

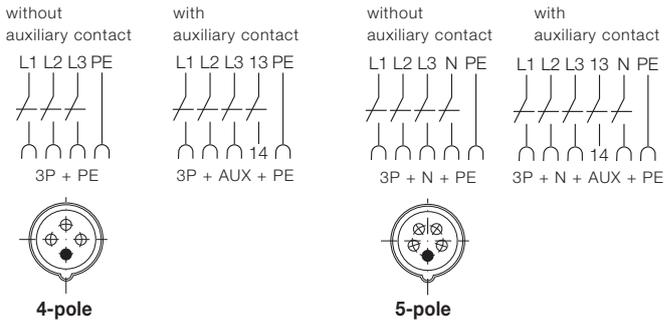


Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions



Dimensions in mm

10A 21-pole up to 250 V



Technical data

Ex-plugs and receptacles, 21-pole

Marking to 94/9/EC	Ⓔ II 2 G Ex e II T6 / Ⓔ II 3 D Ex tD A22 IP54 T80 °C ¹⁾
EC-Type Examination Certificate	PTB 00 ATEX 1109
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	250 V AC
Rated current	10 A
Frequency	up to 400 Hz
External back up fuse	without therm. protection: 10 A with therm. protection: 16 A gL (rated current 10 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP65
Enclosure colour	Black

Wall socket

Cable glands/enclosure drilling	1 x M40 Ø 17 - 28 mm, 1 x M32 metal thread with Ex-screw plugs plastic
Connecting terminals	1 x 1.0 - 2.5 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

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

¹⁾ See manufacturers declaration 091 for non conductive dusts

²⁾ Please use appropriate crimp tool



Plug

Wall socket

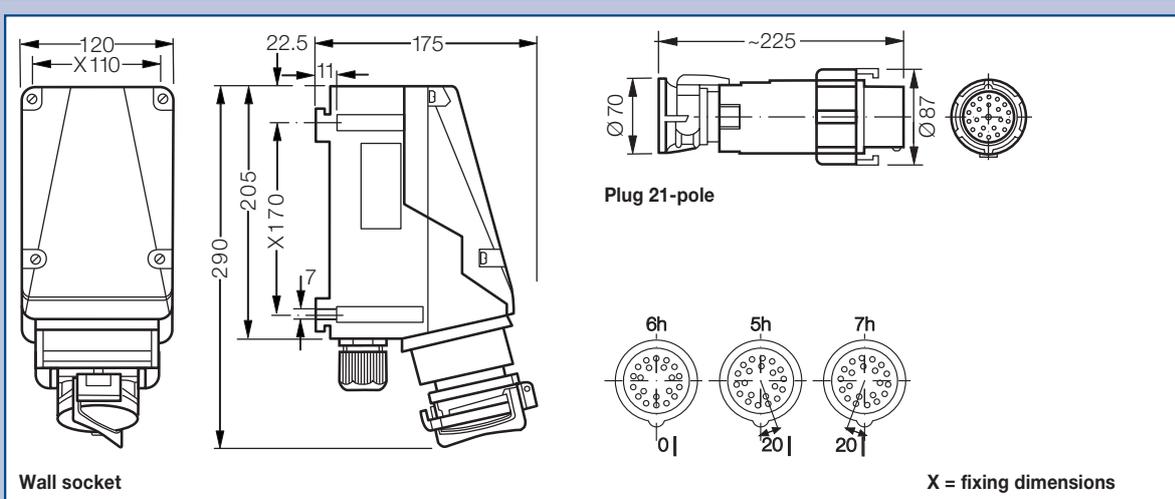
Ordering details

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

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

KU = 1 x plastic cable glands M40 for Ø 17-28 mm
 ME = 1 x metal thread M32 with Ex-screw plug plastic

Dimension drawing | Coding



Wall socket

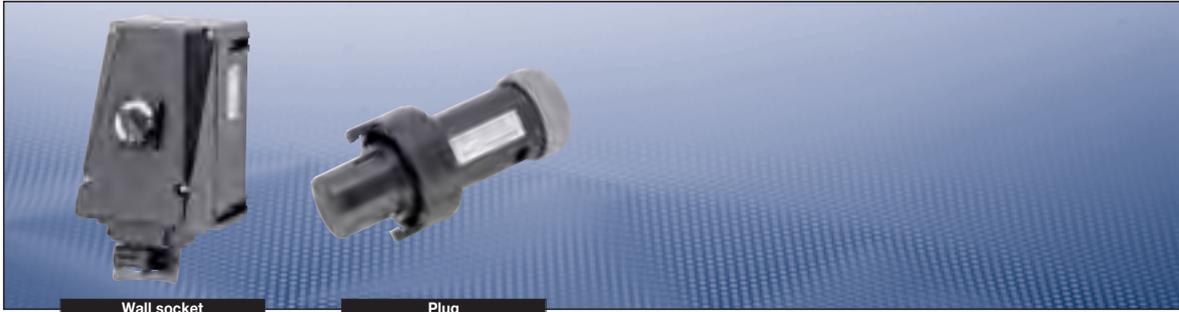
Plug 21-pole

X = fixing dimensions

Dimensions in mm

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20A 7-pole up to 500 V



Technical data

Ex-plugs and receptacles, 7-pole

Marking to 94/9/EC	⊕ II 2 G Ex ed IIC T6/T5 / ⊕ II 3 D Ex tD A22 IP54 T80 °C ¹⁾
EC-Type Examination Certificate	PTB 00 ATEX 1109
Permissible ambient temperature	-20 °C to + 40 °C
Rated voltage	500 V
Rated current	16 A (T6) / 20 A (T5)
Frequency	up to 400 Hz
Rated making/rated breaking capacity AC-3 accd. EN 60947-3	U _e 500 V / I _e 10 A U _e 250 V / I _e 16 A
External back up fuse	without therm. protection: 16 A with therm. protection: 25 A gL (rated current 16/20 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

Wall socket

Cable glands/enclosure drilling	2 x M40 Ø 17 - 28 mm, 1 Ex screw plugs plastic or 2 x M32 metal thread with 2 Ex screw plugs plastic
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

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

¹⁾ See manufacturers declaration 091 for non conductive dusts

²⁾ Please use appropriate crimp tool

| 20A 7-pole up to 500 V |



Wall socket

Plug

Ordering details

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

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

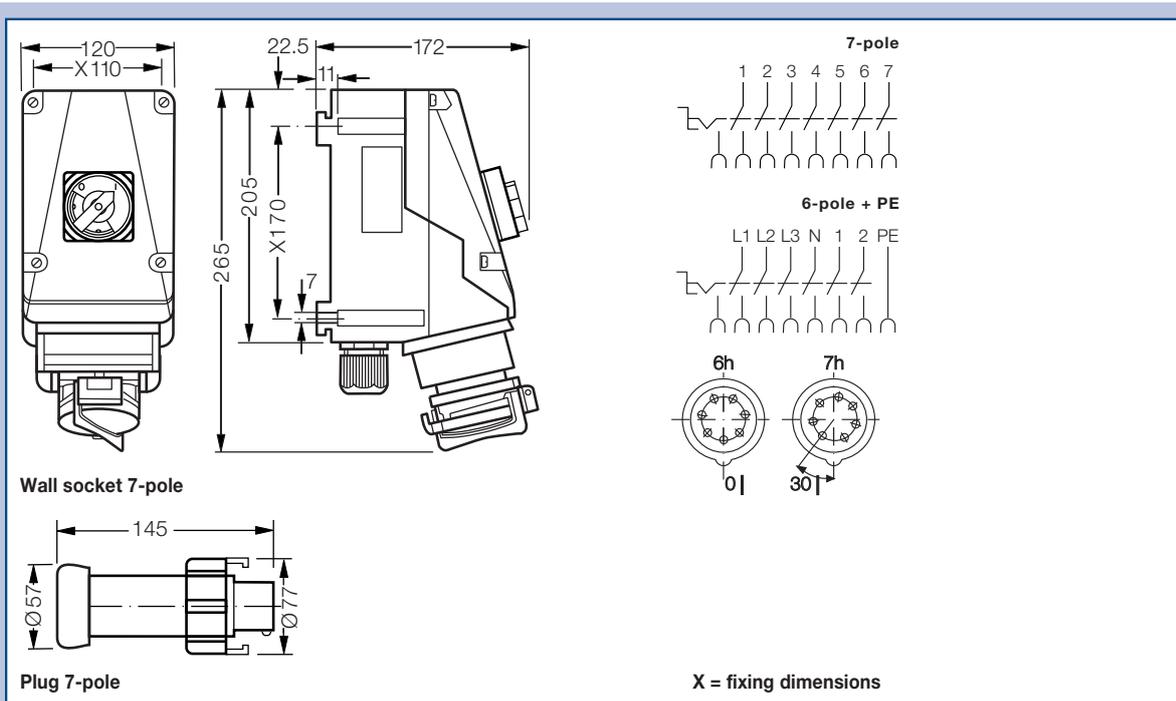
Other voltage ranges and versions available on request.

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

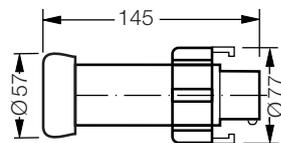
ME = 2 x metal thread M32 with Ex-screw plug plastic

Fixing material and accessories see page 6.94 pp.

Dimension drawing | Wiring diagram



Wall socket 7-pole



Plug 7-pole

X = fixing dimensions

Dimensions in mm

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EX - PLUG AND RECEPTACLE

16 A Metallic Design for Zone 1

The explosion-protected light metal plug 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.

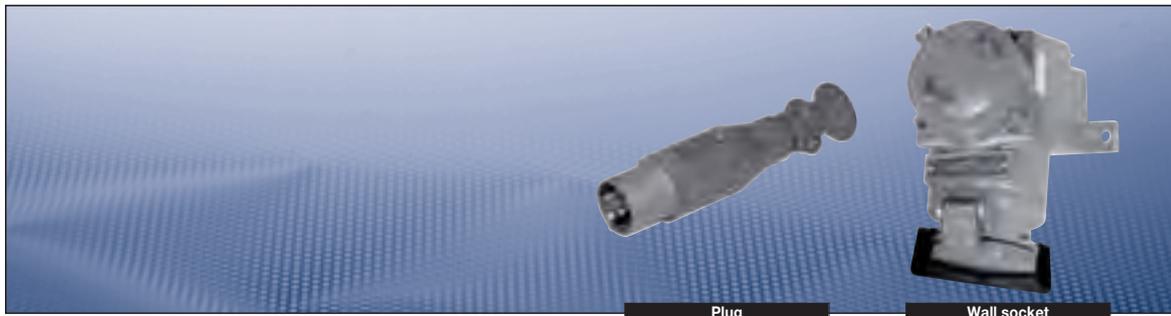
Unused flameproof threads for cable glands have to be closed with certified plugs.

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

The explosion-protected plug can be plugged into an industrial sockets if their contact disposability is acc. to IEC 60309 connecting terminals are in an Ex-e chamber, all other parts are Ex-d protected.



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



Plug

Wall socket

Technical data

Ex-protected plug and socket Ex d

Marking to 94/9/EC	⊕ II 2 G Ex de IIC T6
EC-Type Examination Certificate	LOM 03 ATEX 2019
Permissible ambient temperature	-20 °C up to +55 °C
Rated voltage	see ordering details
Rated current	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 gL
Degree of protection to EN 60529	IP65
Enclosure material	Light alloy, polyester paint finish

Wall socket

Cable glands	2 x 3/4", ISO 7/1, one plugged
Connecting terminals	2 x 1.0 - 2.5 mm ²

Plug

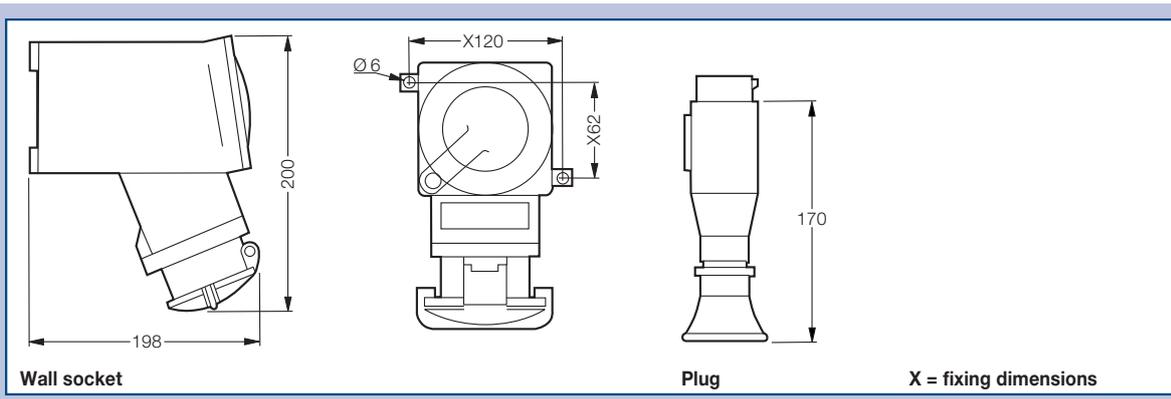
Cabel glands	Ø 8.5 - 13.5 mm
Connecting terminals	1 x 1.0 - 2.5 mm ² / PE: 1 x 1.5 - 6 mm ²

Ordering details

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

Dimension drawing



Dimensions in mm

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EX - PLUGS AND RECEPTACLES

16 A to 125 A
Plastic version for Zone 2

A good connection

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

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

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

CEAG plugs and receptacles offer more, apart from the proven technology, this product series is defined by its innovative details. For example, the very efficient cable strain relief or the new coding system of the various versions offers different solutions for a secure and problem free utilization in all areas. Just to round the product off, the user in the normal industrial sector becomes exactly the same product advantages. Robust industrial versions fulfil all requirements appertaining to mechanical and chemical durability. For the stationary repair power supplying in hazardous explosive areas, there is a specially conceived version available that fulfils all the necessary safety requirements. Used in a module sense, individual solutions are no problem at all.

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

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

International approvals.

Safety standard IP66 applies also in the plugged-in state

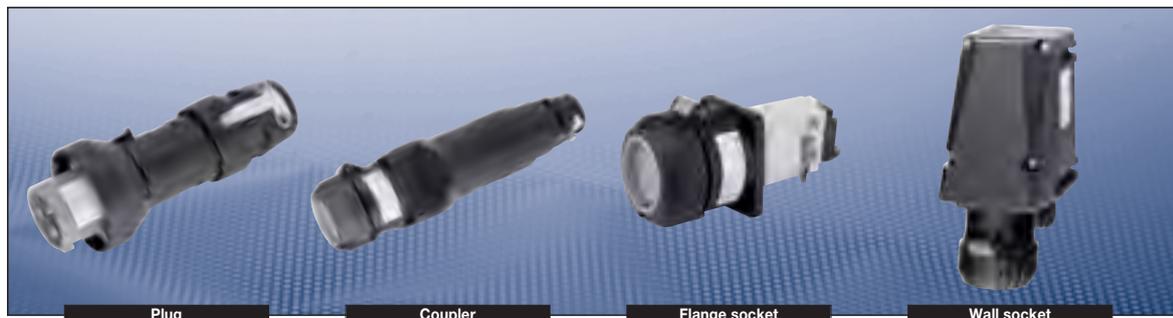
Full AC-3 switching ability

Self-cleaning lamellar contacts, low transition resistance

All-pole on/off switching

Easy plugging





Technical data

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

Marking to 94/9/EC	Ⓔ II 3 G Ex nC IIC T5/T6
EC-Type Examination Certificate	PTB 99 ATEX 1115
Permissible ambient temperature	-20°C 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	U _e 400 V / I _e 16 A
External back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gL (rated current 16 A set to)
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket

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

Plug

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

Coupler

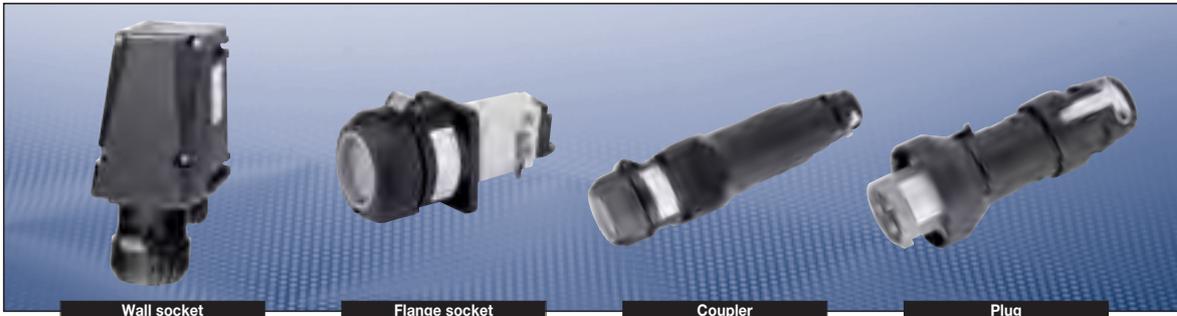
Cable glands	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Polyamide

Flange socket

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

¹⁾ extended temperature range on request

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



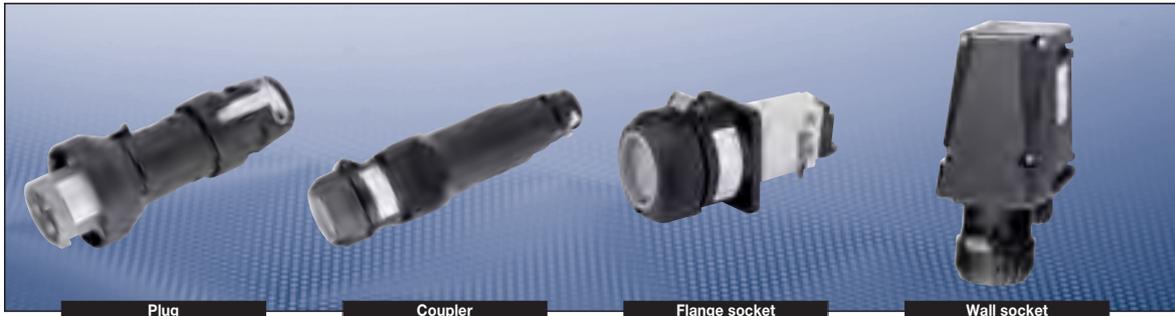
Ordering details

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

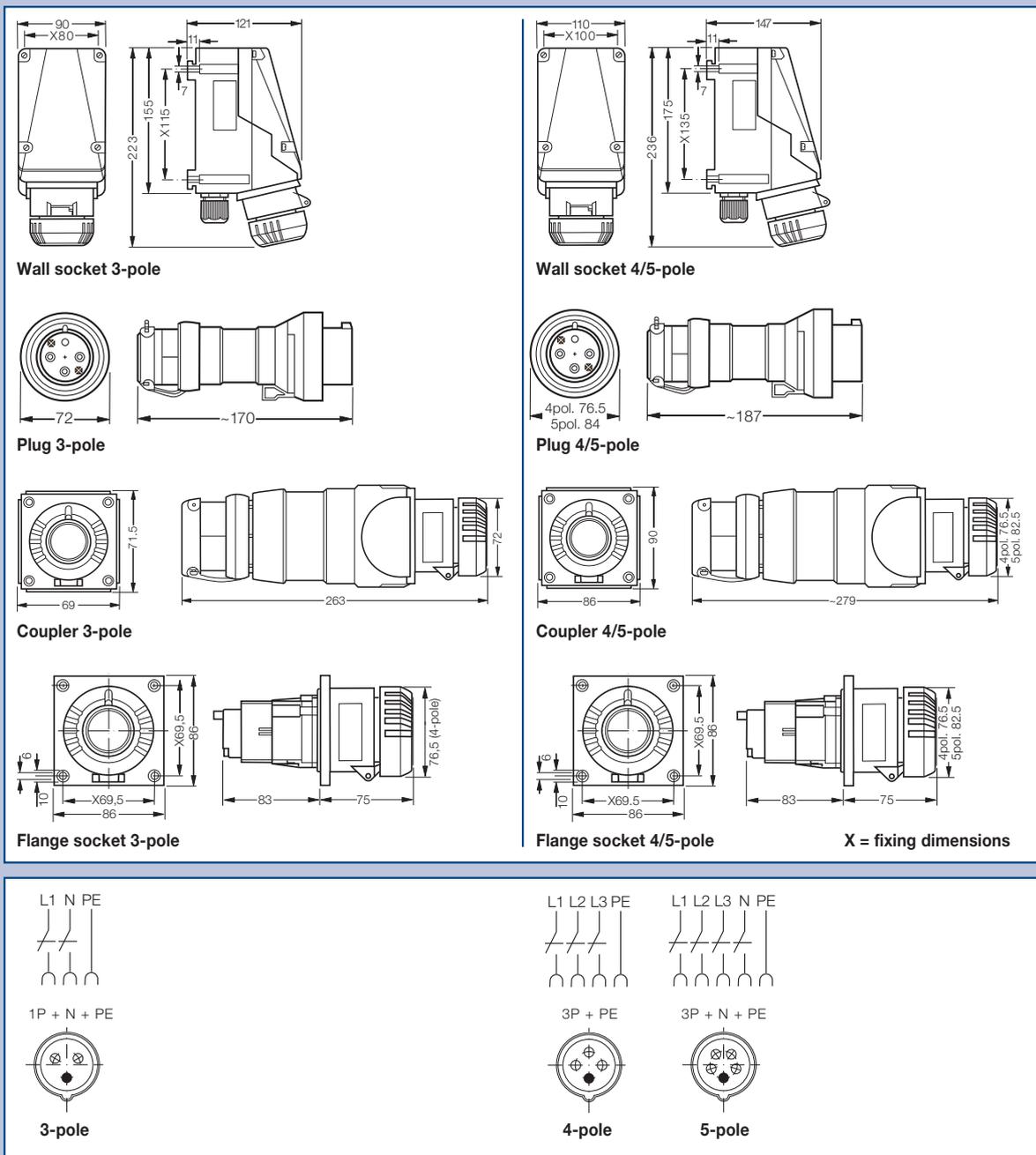
Other voltage ranges and versions for example with auxiliary contact available on request

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

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



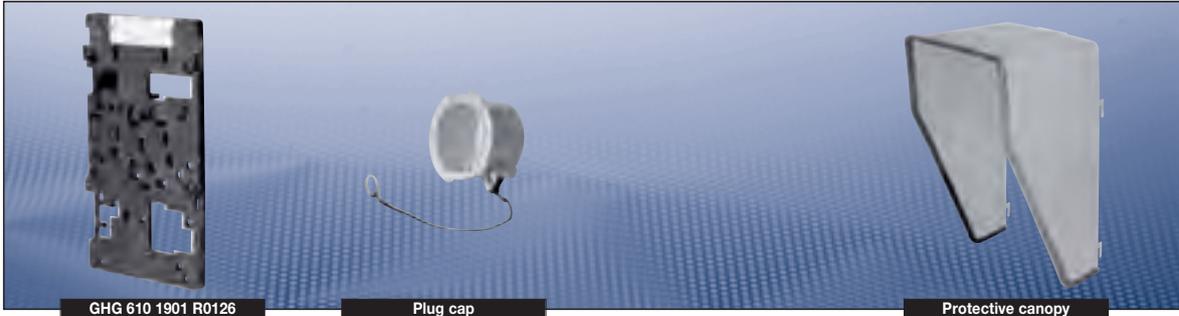
Dimension drawing | Wiring diagram



Dimensions in mm

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



GHG 610 1901 R0126

Plug cap

Protective canopy

Accessories

Mounting plates for wall sockets 16 A

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

Plug cap for plugs 16 A

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

Accessories for mounting plates

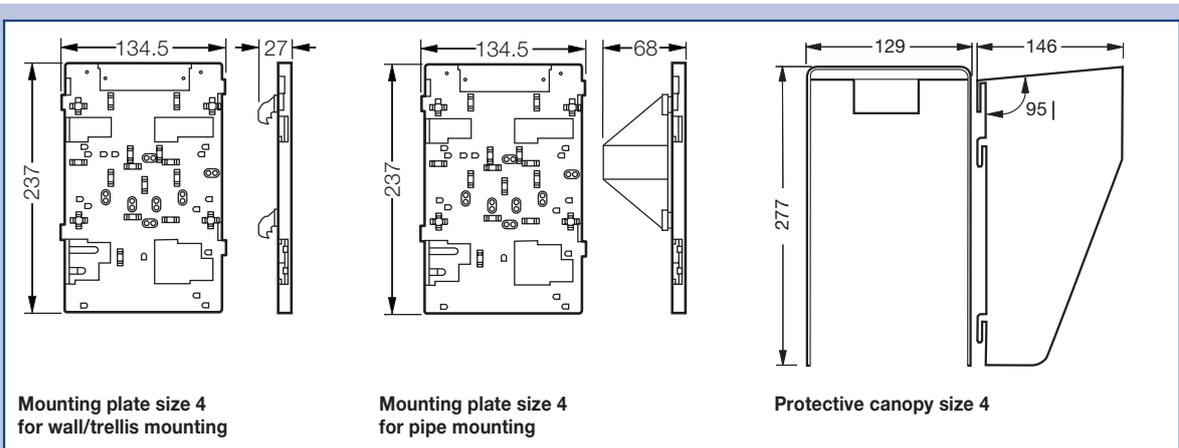
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Protective canopy for mounting plate

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

Dimension drawing

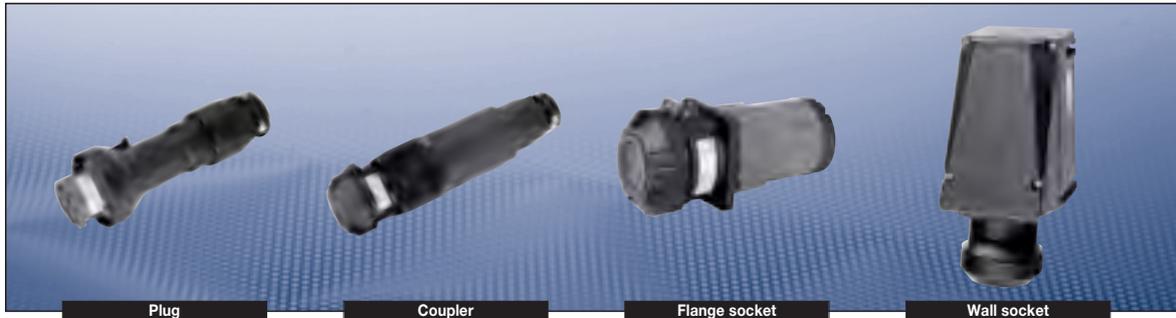


Mounting plate size 4 for wall/trellis mounting

Mounting plate size 4 for pipe mounting

Protective canopy size 4

Dimensions in mm



Technical data

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

Marking to 94/9/EC	Ⓔ 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 gL (rated current 32 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

Wall socket

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

Plug

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

Coupler

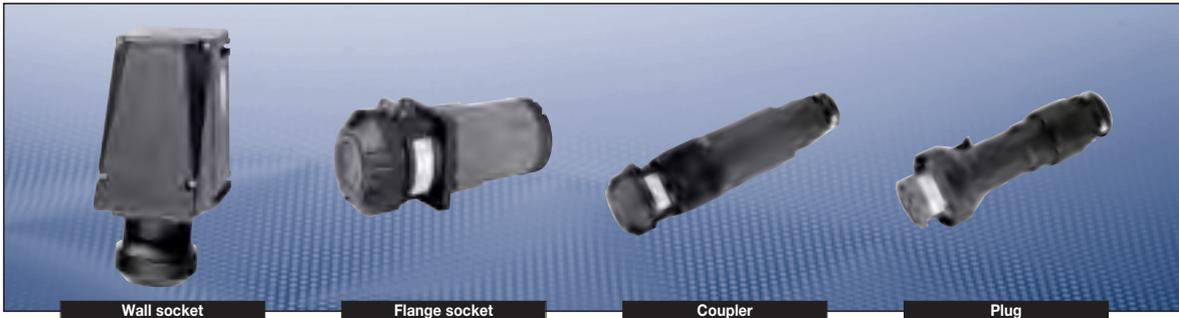
Cable glands	Ø 17 - 28 mm
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	Polyamide

Flange socket

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

¹⁾ extended temperature range on request

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



Ordering details

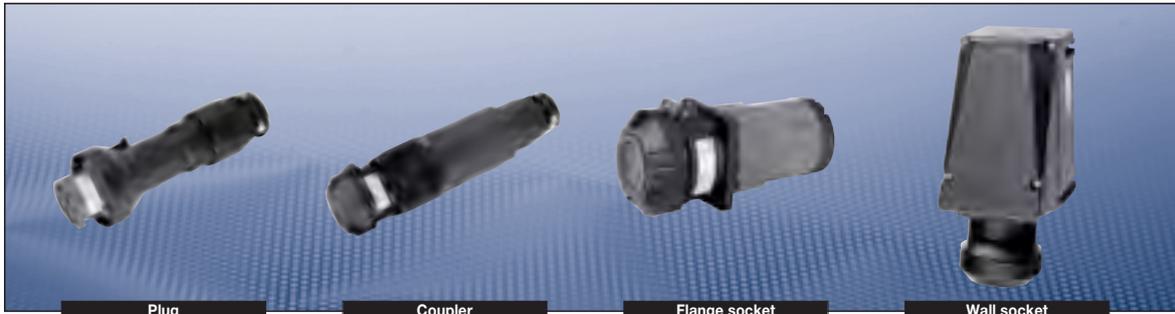
Voltage	h	Type	Cable entries	Weight approx.	Order No.
Type 32 A 4-pole					
200-250 V		Wall socket	KU	1.8 kg	GHG 517 4409 R0001
		Wall socket	ME	1.9 kg	GHG 517 4409 R3001
		Flange socket		1.0 kg	GHG 517 8409 R0001
		Coupler		1.7 kg	GHG 517 3409 R0001
		Plug		0.7 kg	GHG 517 7409 R0001
380-415 V		Wall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

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

Other voltage ranges and versions with auxiliary contact available on request

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

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



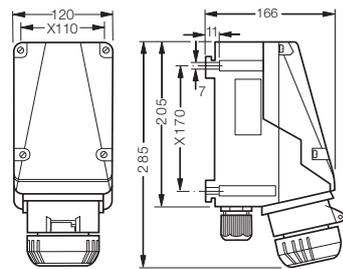
Plug

Coupler

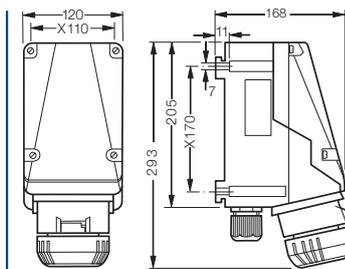
Flange socket

Wall socket

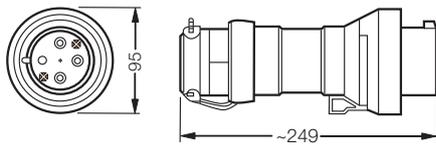
Dimension drawing | Wiring diagram



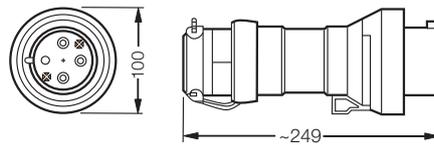
Wall socket 4-pole



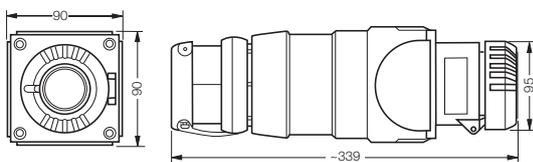
Wall socket 5-pole



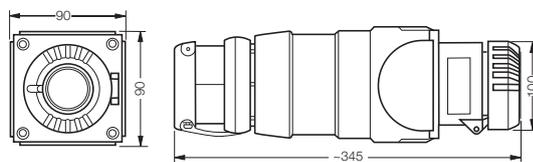
Plug 4-pole



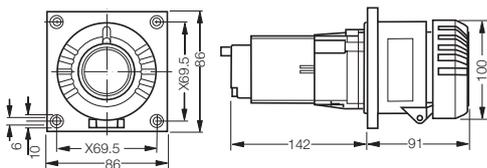
Plug 5-pole



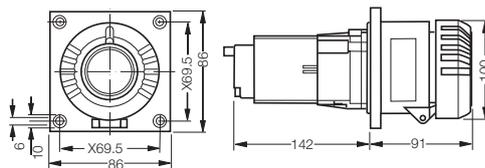
Coupler 4-pole



Coupler 5-pole

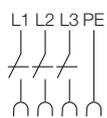


Flange socket 4-pole

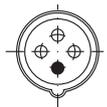


Flange socket 5-pole

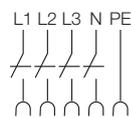
X = fixing dimensions



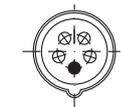
3P + PE



4-pole



3P + N + PE

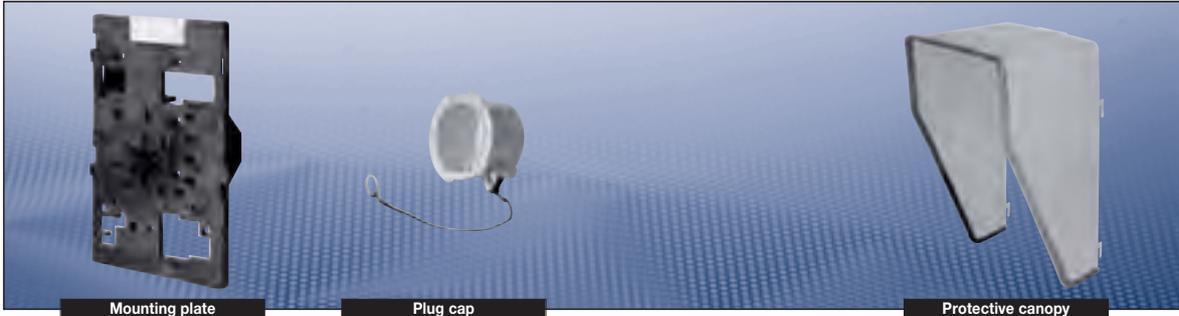


5-pole

Dimensions in mm

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



Mounting plate

Plug cap

Protective canopy

Accessories

Mounting plates for wall sockets 32 A

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

Plug cap for plugs 32 A

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

Accessories for mounting plates

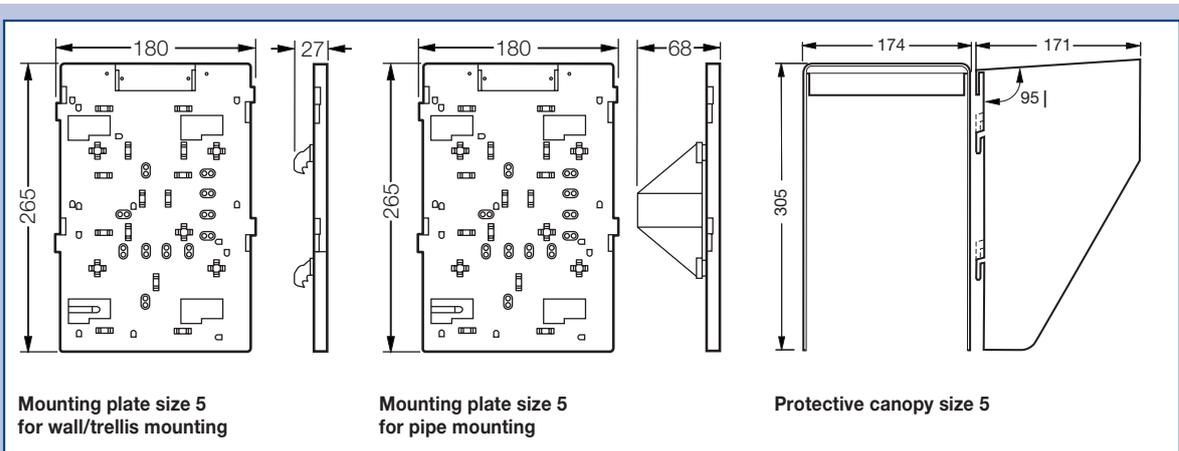
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Protective canopy for mounting plate

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

Dimension drawing

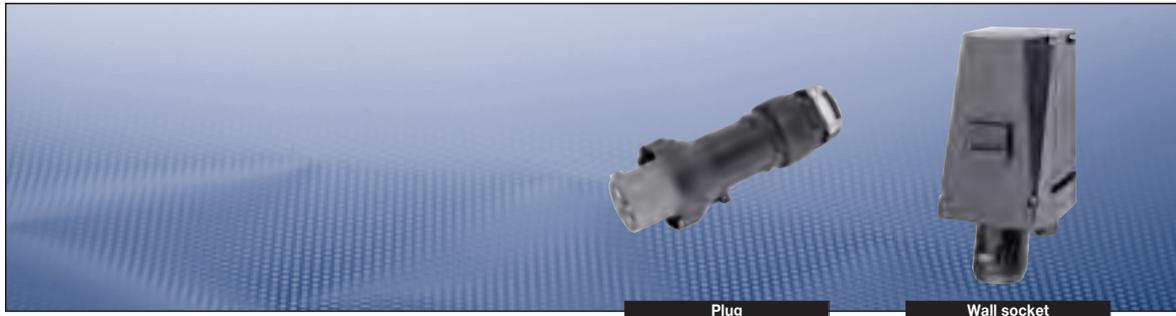


Mounting plate size 5 for wall/trellis mounting

Mounting plate size 5 for pipe mounting

Protective canopy size 5

Dimensions in mm



Technical data

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

Marking to 94/9/EC	Ⓔ 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 gL (rated current 63 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

Wall socket

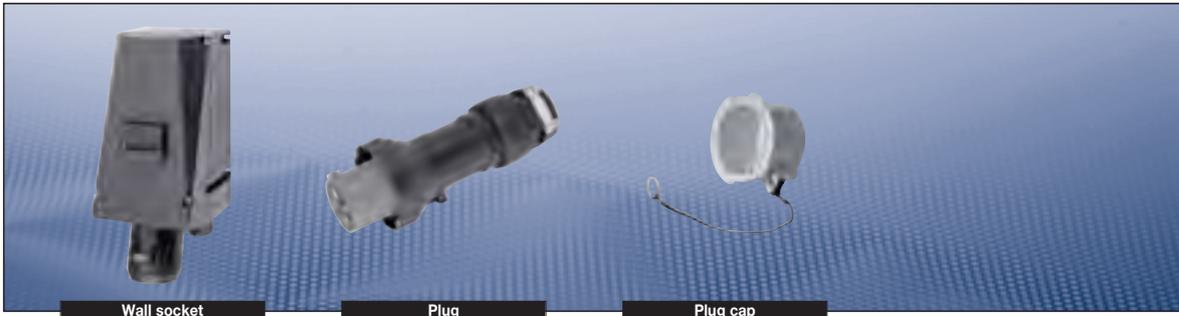
Cable glands/enclosure drilling	1 x M50 Ø 22 - 35 mm, 1 x M50 Ex-screw plug plastic or 2 x M40 metal thread with Ex-screw plug plastic
Connecting terminals	2 x 4 - 25 mm ² / with cable lug ¹⁾ 1 x 35 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

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

¹⁾ extended temperature range on request

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



Ordering details

Voltage	h	Type	Cable entries	Weight approx.	Order No.
Type 63 A 4-pole					
200-250 V		Wall socket	KU	8.1 kg	GHG 518 4409 R0001
		Wall socket	ME	8.2 kg	GHG 518 4409 R3001
		Plug		0.75 kg	GHG 518 7409 R0001
380-415 V		Wall socket	KU	8.1 kg	GHG 518 4406 R0001
		Wall socket	ME	8.2 kg	GHG 518 4406 R3001
		Plug		0.75 kg	GHG 518 7406 R0001
480-500 V		Wall socket	KU	8.1 kg	GHG 518 4407 R0001
		Wall socket	ME	8.2 kg	GHG 518 4407 R3001
		Plug		0.75 kg	GHG 518 7407 R0001
600-690 V		Wall socket	KU	8.1 kg	GHG 518 4405 R0001
		Wall socket	ME	8.2 kg	GHG 518 4405 R3001
		Plug		0.75 kg	GHG 518 7405 R0001
Type 63 A 5-pole					
200-250 V		Wall socket	KU	8.15 kg	GHG 518 4506 R0001
380-415 V		Wall socket	ME	8.25 kg	GHG 518 4506 R3001
		Plug		0.75 kg	GHG 518 7506 R0001

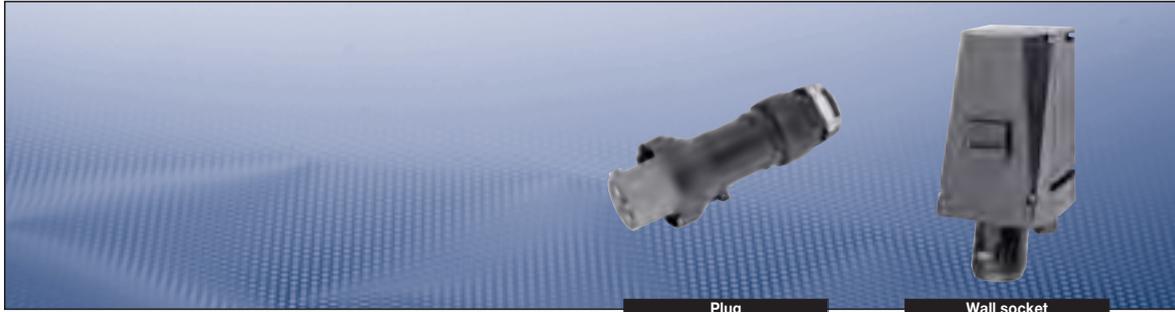
Accessories

Plug cap for plugs		
Type	OU	Order No.
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0006
Pin cable lug 25 mm ²	5	GHG 510 1916 R0001

Other voltage ranges and versions with auxiliary contact available on request

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

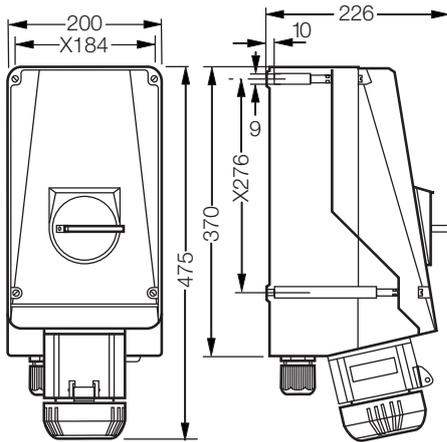
ME = 2 x metal thread M32 with Ex-screw plug plastic



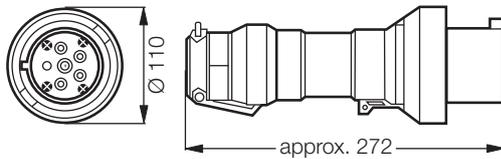
Plug

Wall socket

Dimension drawing | Wiring diagram

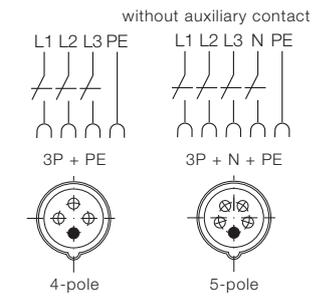


Wall socket 4/5-pole



Plug 4/5-pole

X = mounting dimensions



Dimensions in mm

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



Technical data

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

Marking to 94/9/EC	Ⓔ 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 gL (rated current 125 A set to)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure colour	Black

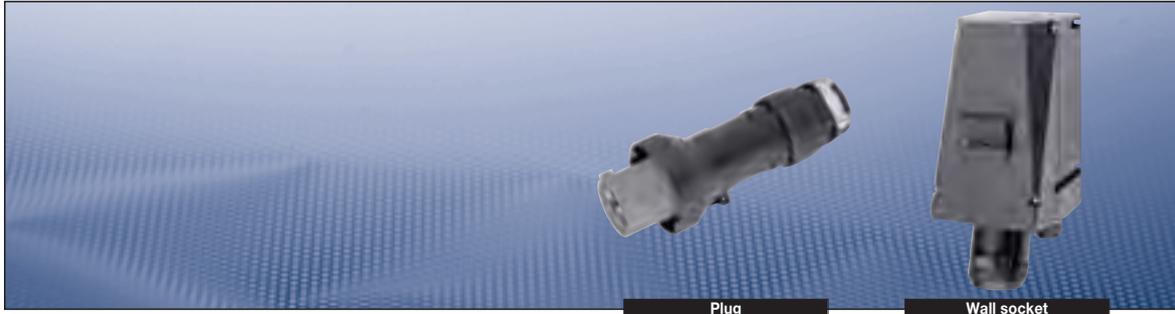
Wall socket

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

Plug

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

¹⁾ extended temperature range on request



Plug

Wall socket

Ordering details

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

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

Accessories

Type	OU	Order No.
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0007
Cable lug 50 mm ²	5	GHG 260 1911 R0004

Other voltage ranges and versions with auxiliary contact available on request

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

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

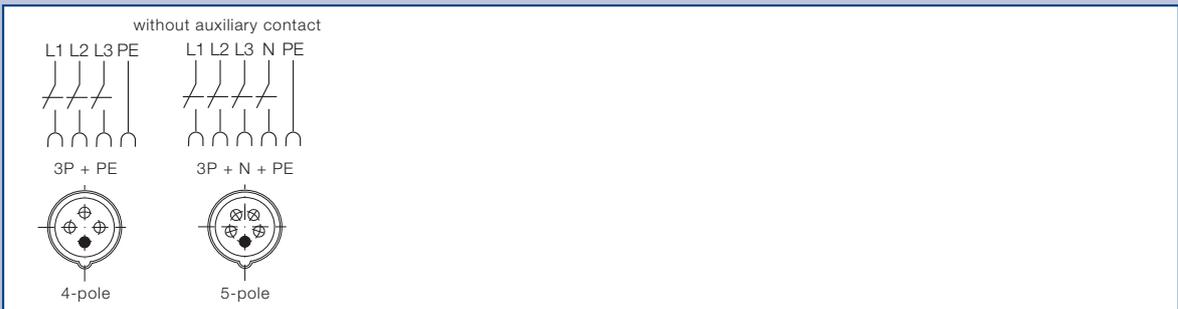
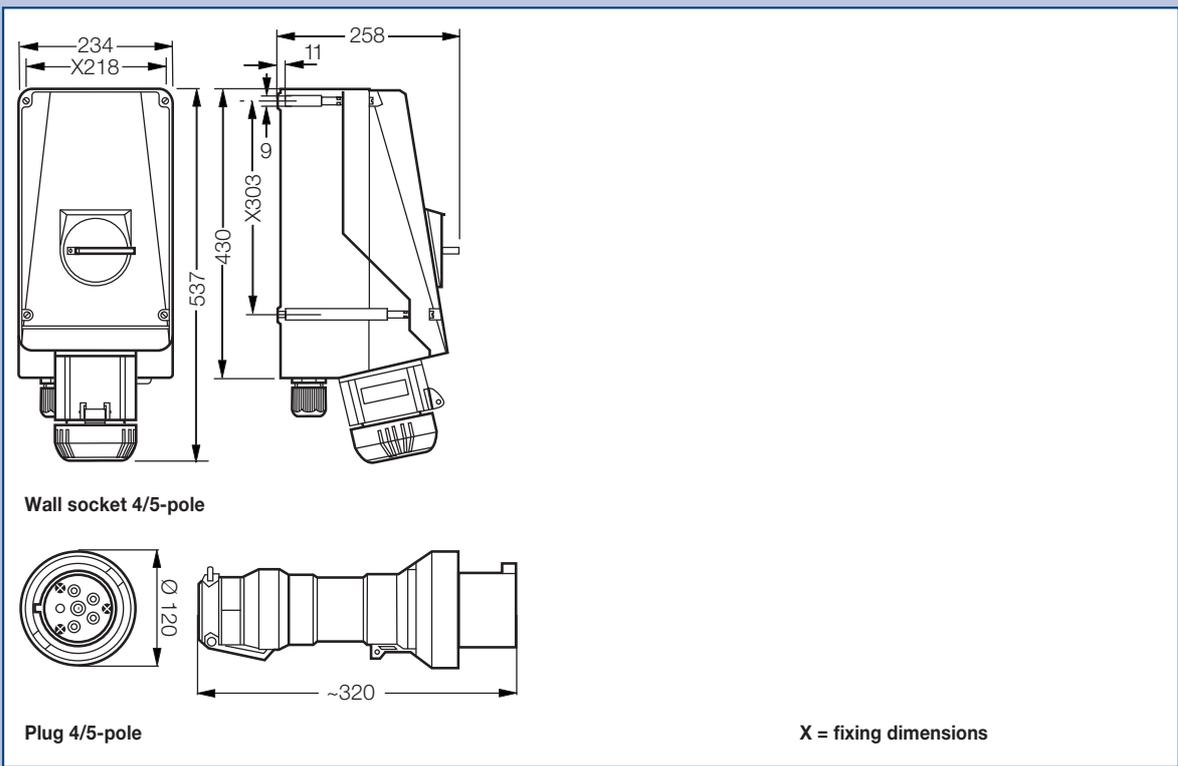
| Zone 2: 125A 4- and 5-pole up to 690 V |



Wall socket

Plug

Dimension drawing | Wiring diagram



Dimensions in mm

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PLUGS AND RECEPTACLES - INDUSTRY

16 A up to 125 A
Plastic version for industrial use

Not explosion-protected, but in 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 new plug and receptacle generation Cooper Crouse-Hinds has now a complete program for industrial usage. The wall sockets can simply be clipped-onto pre-installed mounting plates without having to use tools. These high quality plugs and receptacles warrantee 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.

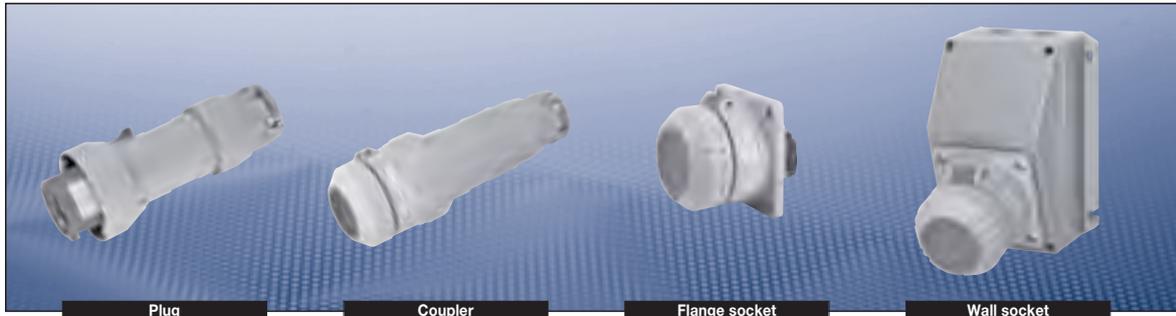
Plugs and receptacles of the 16 A to 125 A range fulfil (even when they are plugged-in) the high safety standard of IP66 and have as standard the maintenance-free and proven lamellar contacts. The variable cable entries in connection with the generously dimensioned connection terminals allow for an economical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

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

International approvals

- **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**





Technical data

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

Permissible ambient temperature	-20°C to +40°C / -45 °C to +45 °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
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket with interlock switch

Rated making/rated breaking capacity AC-3 accd. EN 60947	
for wall socket with switch	U _e 500 V / I _e 20 A
Cable glands	1 x M25 Ø 8 - 17 mm, 1 x M25 thread plug plastic
Connecting terminals	2 x 1.5 – 4 mm ²
Enclosure material	Glass-fibre reinforced polyester

Wall socket without switch

Cable glands	2 x PG 16 top, 2 x PG 16 bottom
Connecting terminals	2 x 1.5 – 4.0 mm ²
Enclosure material	Polyamide

Plug

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

Coupler

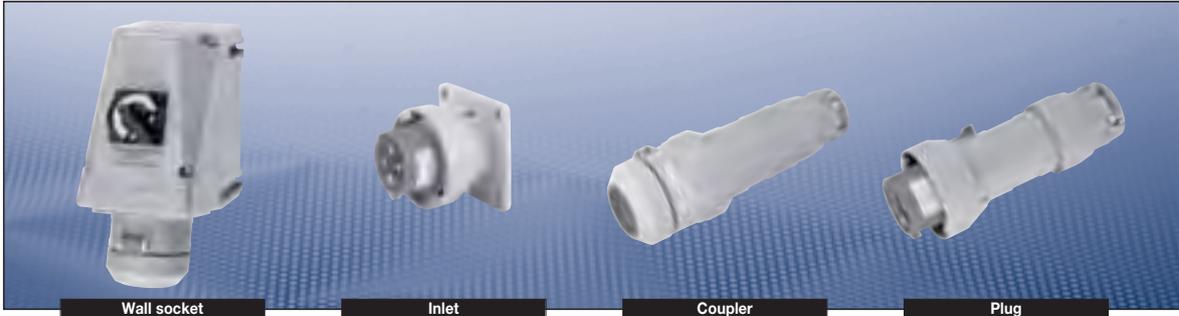
Cable glands	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	2 x 1.5 – 4 mm ²
Enclosure material	Polyamide

Flange socket/inlet

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

¹⁾ extended temperature range on request

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



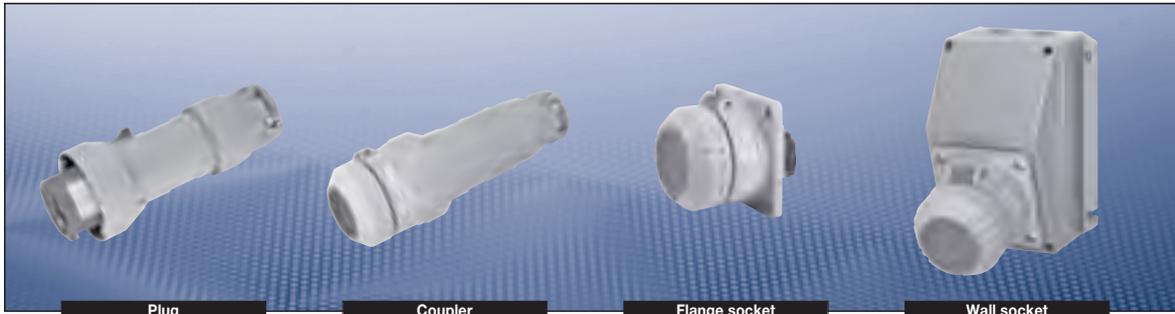
Ordering details

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

Type 16 A 4-pole				
200-250 V		Wall socket	0.85 kg	GHG 521 2409 R0001
		Wall socket with 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		Wall socket	0.90 kg	GHG 521 2506 R0001
380-415 V		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



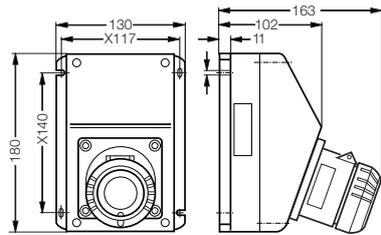
Plug

Coupler

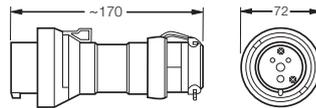
Flange socket

Wall socket

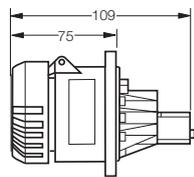
Dimension drawing



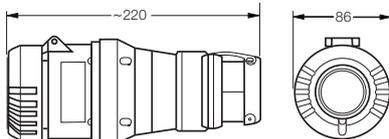
Wall socket 3-pole



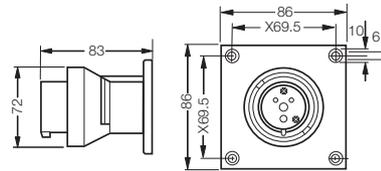
Plug 3-pole



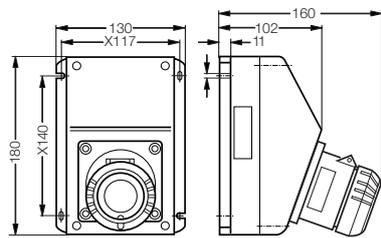
Flange socket 3-pole



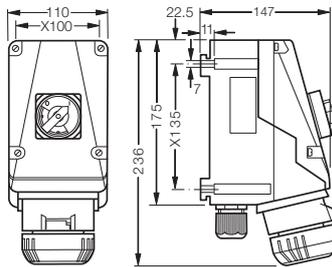
Coupler 3-pole



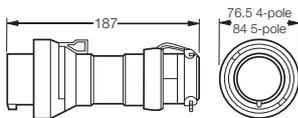
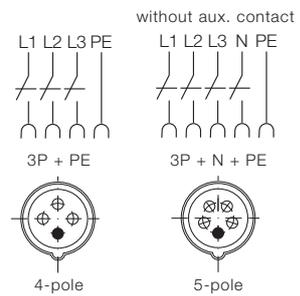
Inlet 3-pole



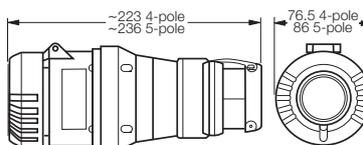
Wall socket 4-pole with switch



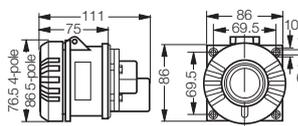
Wall socket 4-pole with switch



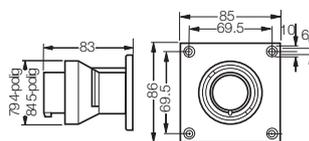
Plug 4/5-pole



Coupler 4/5-pole



Flange socket 4/5-pole



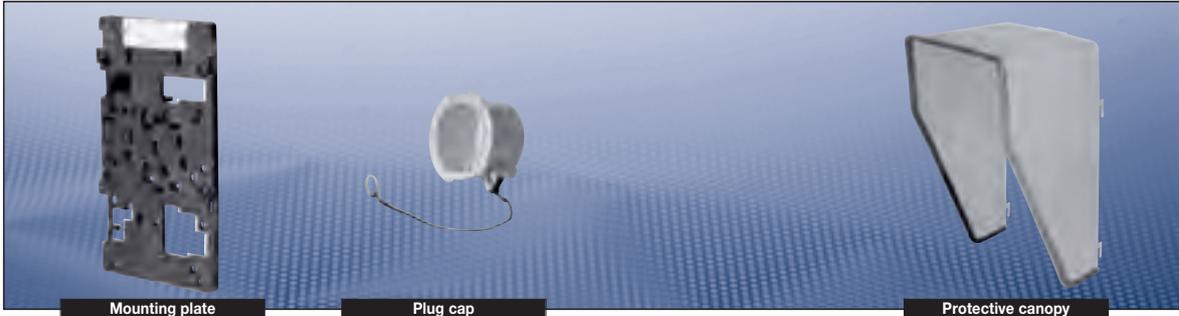
Plug 4/5-pole

X = fixing dimensions

Dimensions in mm

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



Mounting plate

Plug cap

Protective canopy

Accessories

Mounting plates for wall sockets 16 A

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

Plug cap for plugs 16 A

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

Accessories for mounting plates

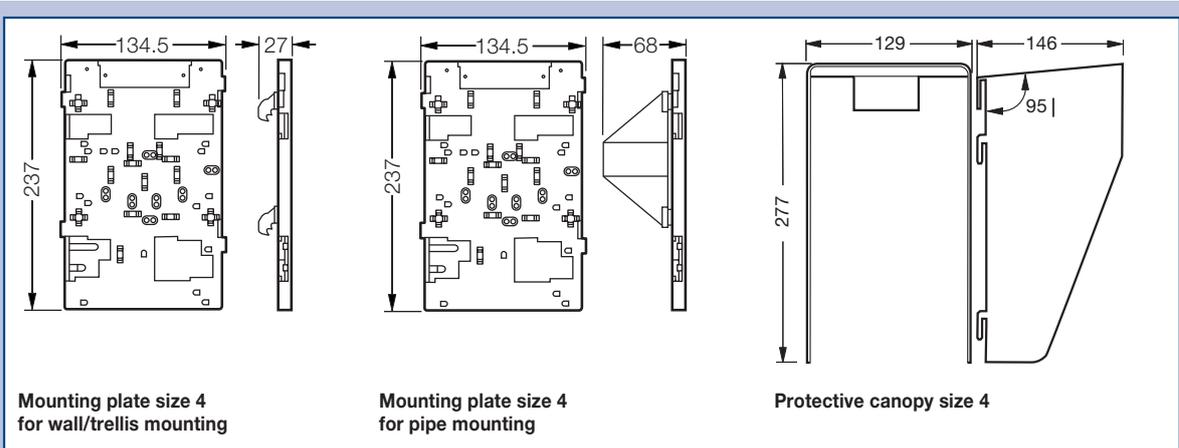
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Protective canopy for mounting plate

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

Dimension drawing

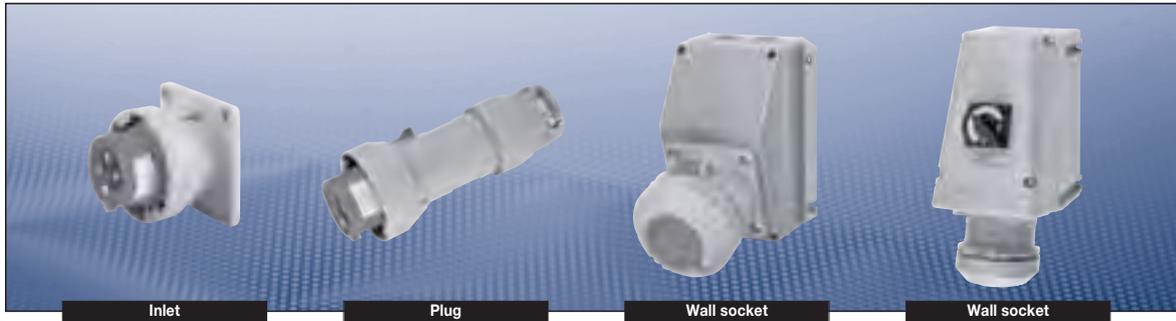


Mounting plate size 4 for wall/trellis mounting

Mounting plate size 4 for pipe mounting

Protective canopy size 4

Dimensions in mm



Technical data

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

Permissible ambient temperature	-20°C to +40°C / -45 °C to +45 °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
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket with interlock switch

Rated making/rated breaking capacity AC-3 accd. EN 60947	
for wall socket with switch	U _e 500 V / I _e 20 A
Cable glands	1 x M40 Ø 17 - 28 mm, 1 x M40 thread plug plastic
Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	Glass-fibre reinforced polyester

Wall socket without switch

Cable glands	2 x PG 21 top, 2 x PG 21 bottom
Connecting terminals	1 x 4 – 10 mm ²
Enclosure material	Polyamide

Plug

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

Coupler

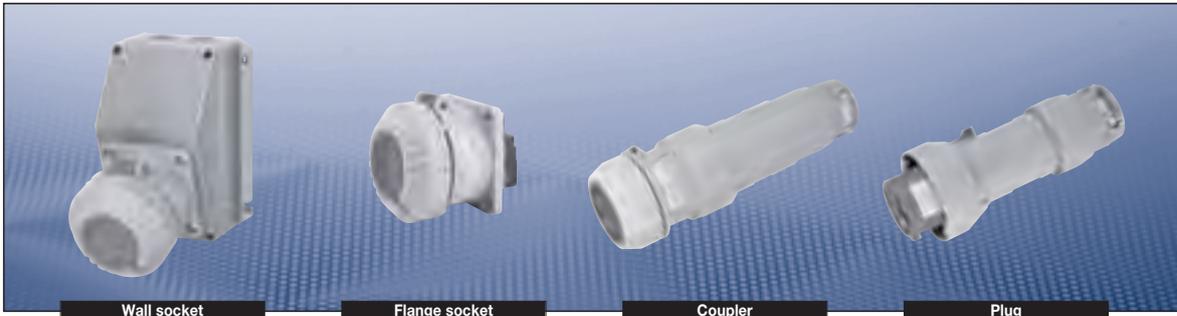
Cable glands	Ø 17 - 28 mm
Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	Polyamide

Flange socket/inlet

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

¹⁾ extended temperature range on request

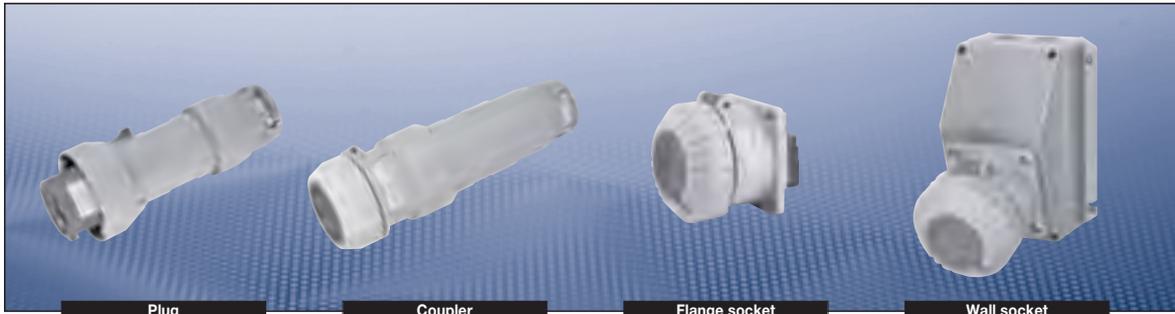
Industrial use: 32A 4-pole and 5-pole up to 415 V



Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 32 A 4-pole				
200-250 V		Wall socket	1.0 kg	GHG 522 2409 R0001
		Wall socket with 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
		9	Flange socket	0.5 kg
		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
		6	Flange socket	0.5 kg
		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
		7	Flange socket	0.5 kg
		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
		5	Flange socket	0.5 kg
		Inlet	0.32 kg	GHG 522 9405 R0001
Type 32 A 5-pole				
200-250 V		Wall socket	1.1 kg	GHG 522 2506 R0001
380-415 V		Wall socket with 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
		6	Flange socket	0.51 kg
		Inlet	0.33 kg	GHG 522 9506 R0001

Other voltage ranges and versions available on request



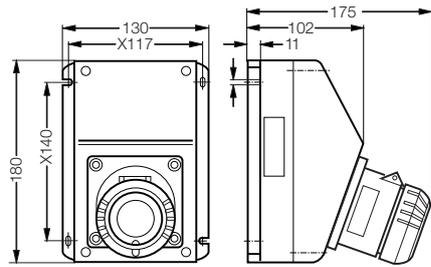
Plug

Coupler

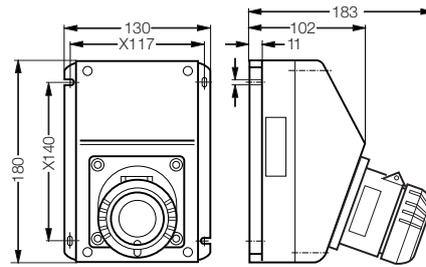
Flange socket

Wall socket

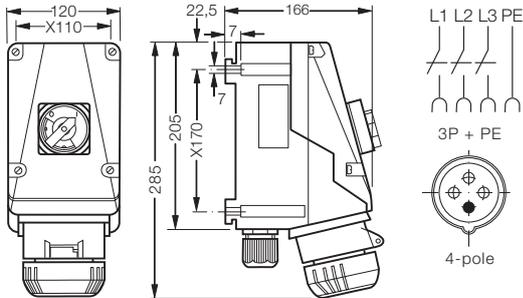
Dimension drawing



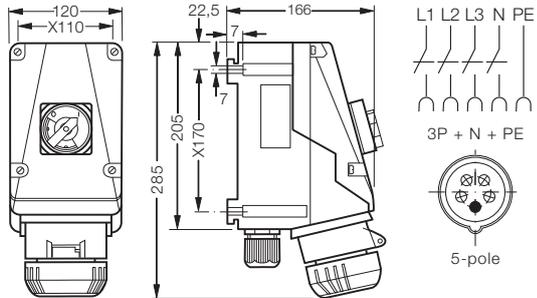
Wall socket 4-pole



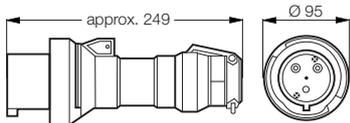
Wall socket 5-pole



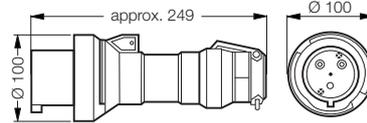
Wall socket with interlock switch 4-pole



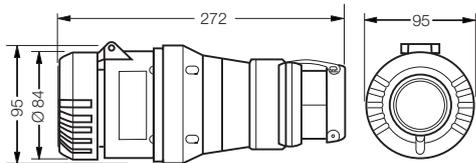
Wall socket with interlock switch 5-pole



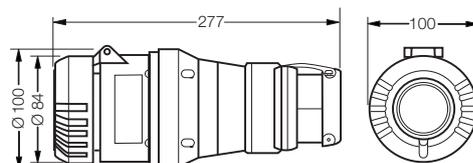
Plug 4-pole



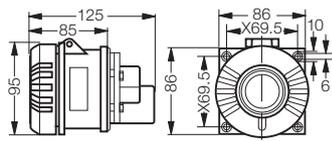
Plug 5-pole



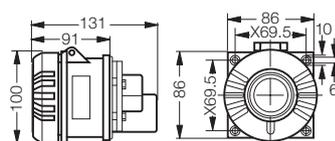
Coupler 4-pole



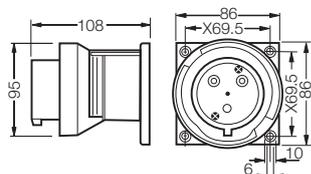
Coupler 5-pole



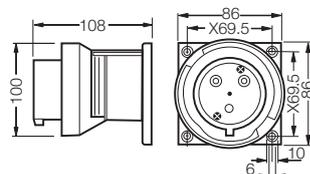
Flange socket 4-pole



Flange socket 5-pole



Inlet 4-pole



Inlet 5-pole

X = fixing dimensions

Dimensions in mm

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



Accessories

Mounting plates for wall sockets 32 A

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

Plug cap for plugs 32 A

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

Accessories for mounting plates

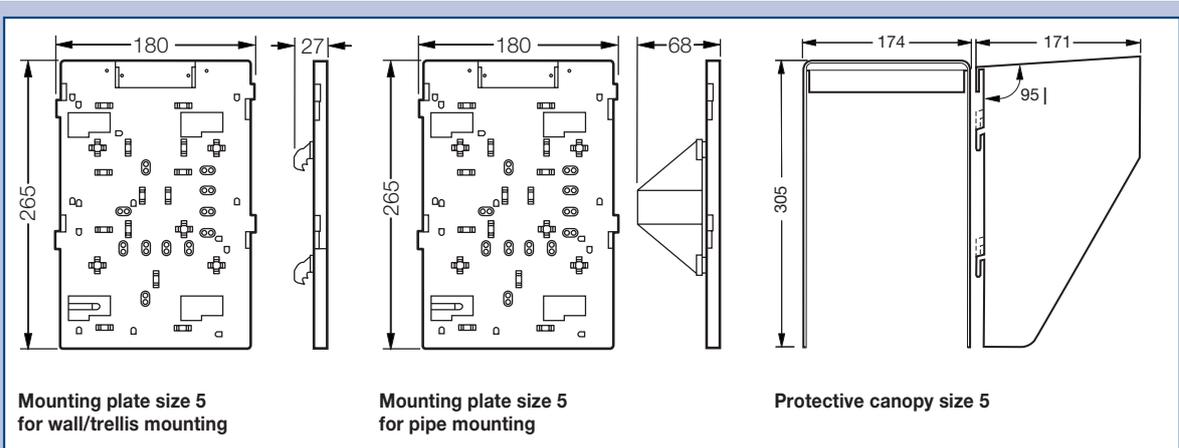
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Protective canopy for mounting plate

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

Dimension drawing

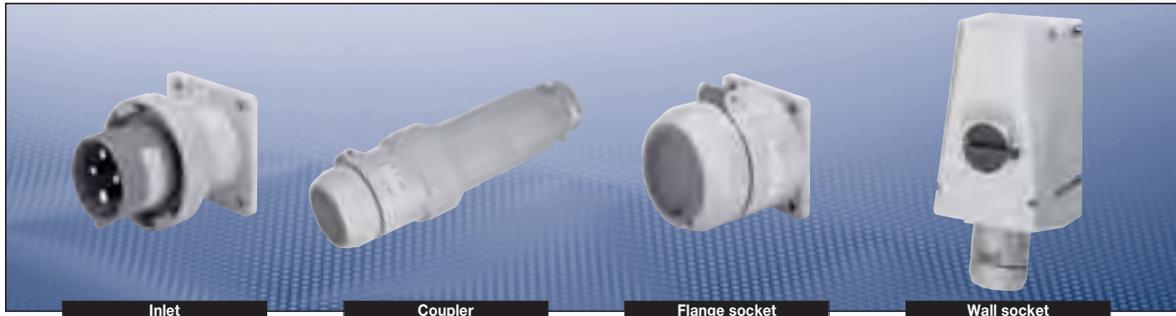


Mounting plate size 5 for wall/trellis mounting

Mounting plate size 5 for pipe mounting

Protective canopy size 5

Dimensions in mm



Technical data

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

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

Wall socket with interlock switch

Rated making/rated breaking capacity AC-3 accd. EN 60947	
for wall socket with switch	U _e 500 V / I _e 58 A
Cable glands	1 x M50 Ø 22 - 35 mm, 1 x M50 thread plug plastic
Connecting terminals	2 x 4 – 25 mm ² with switch 2 x 4 – 35 mm ² without switch
Enclosure material	Glass-fibre reinforced polyester

Plug

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

Coupler

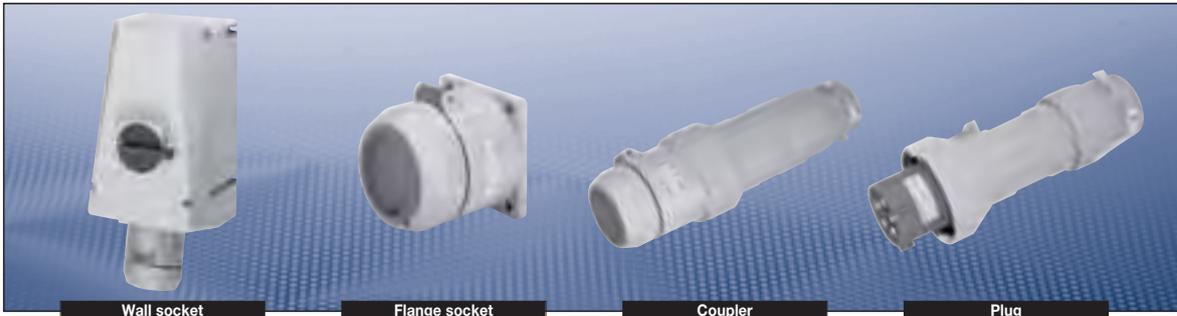
Cable glands	Ø 19 - 34 mm
Connecting terminals	1 x 2.5 – 35 mm ²
Enclosure material	Polyamide

Flange socket/inlet

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

¹⁾ extended temperature range on request

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



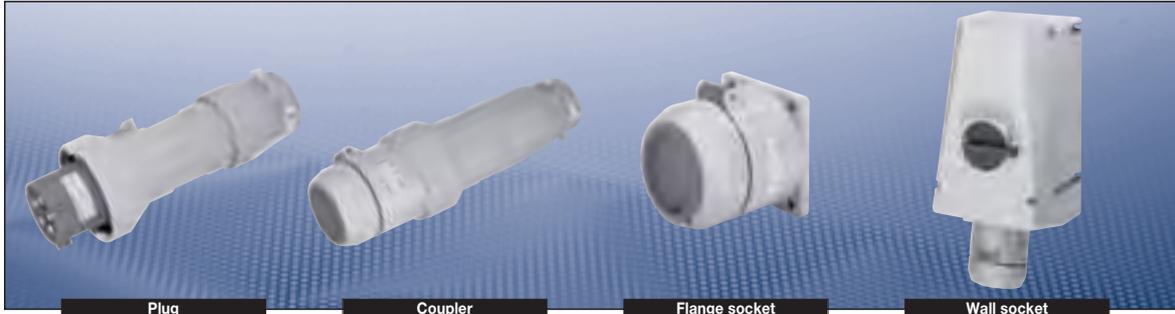
Ordering details

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

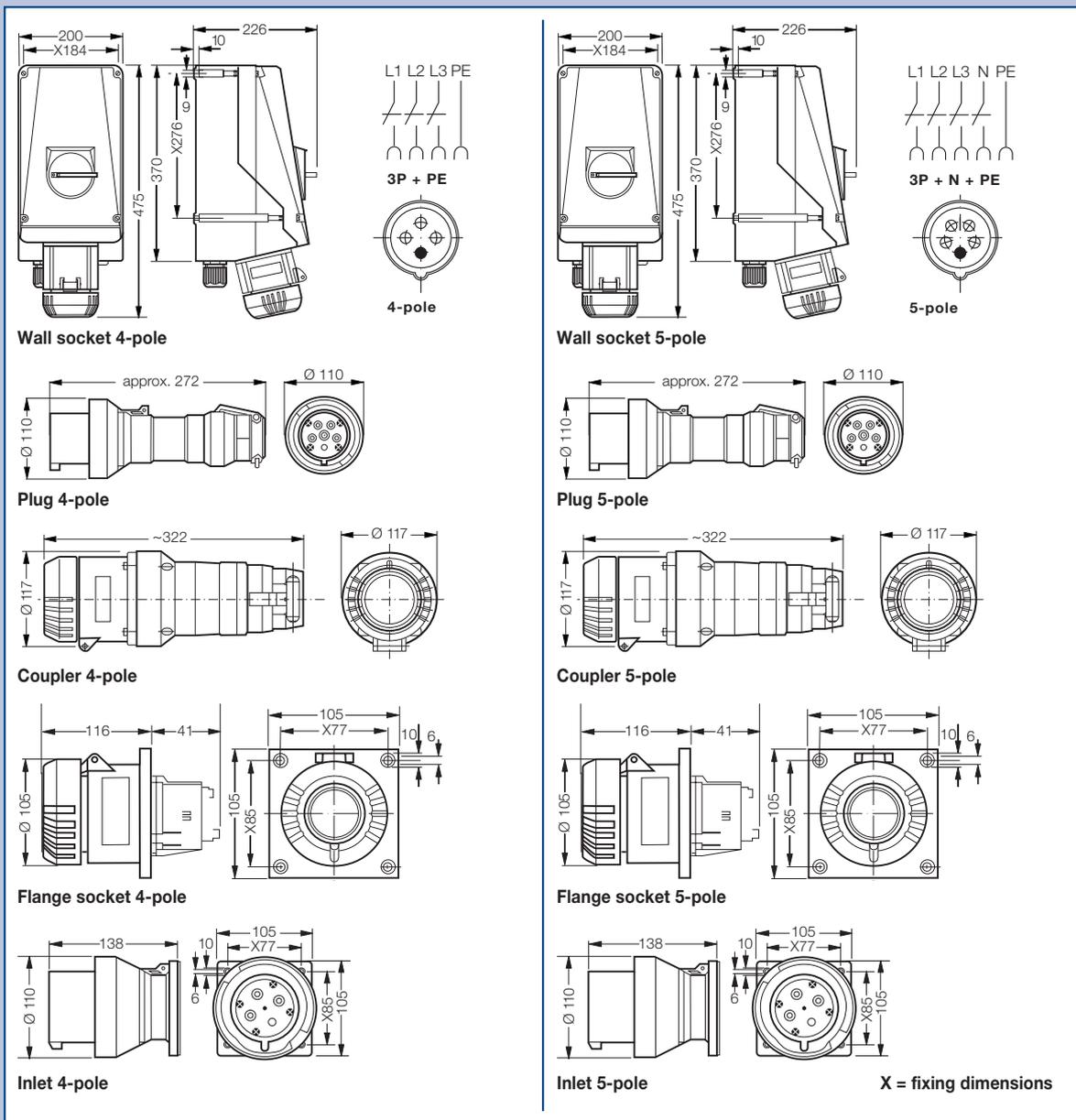
Other voltage ranges and versions available on request

Accessories

Plug cap for plugs		
Type	OU	Order No.
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0006
Pin cable lug 25 mm ²	5	GHG 510 1916 R0001



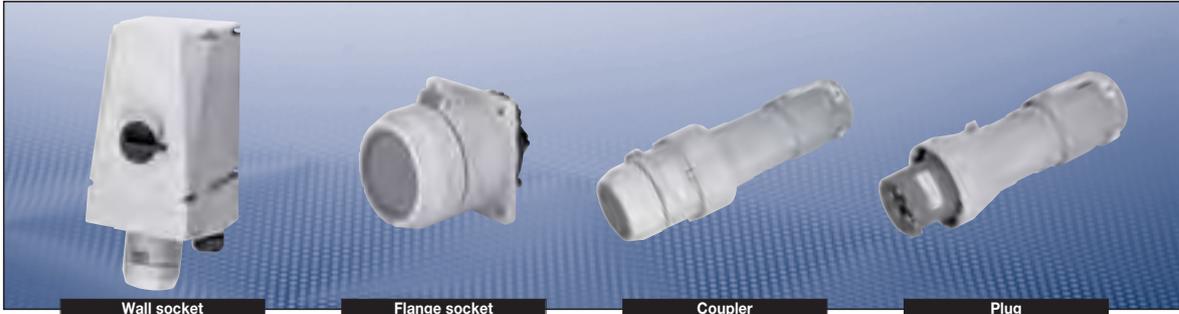
Dimension drawing | Wiring diagram



Dimensions in mm

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



Wall socket

Flange socket

Coupler

Plug

Technical data

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

Permissible ambient temperature	-20°C to +40°C / -40 °C to +40 °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
Insulation class	I
Degree of protection to EN 60529	IP66

Wall socket with interlock switch

Rated making/rated breaking capacity AC-23 accd. EN 60947	
for wall socket with switch	U _e 500 V / I _e 70 A
Cable glands	1 x M63 Ø 27 - 48 mm, 1 x M63 thread plug plastic
Connecting terminals	2 x 10 – 70 mm ²
Enclosure material	Glass-fibre reinforced polyester

Plug

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

Coupler

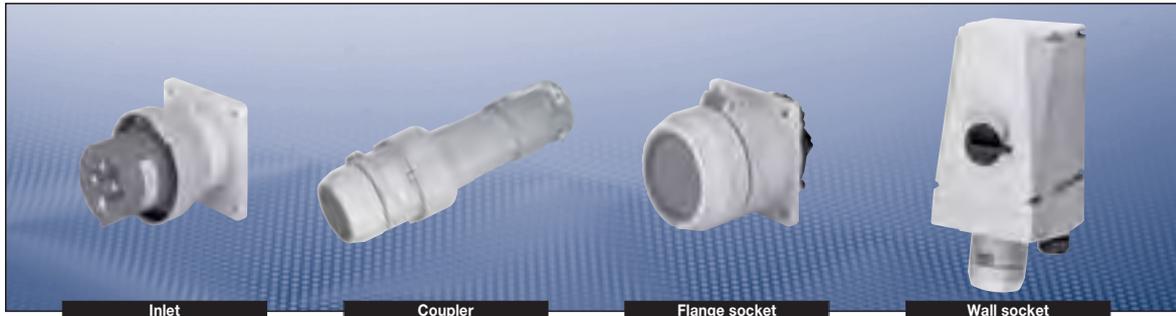
Cable glands	Ø 31 - 58 mm
Connecting terminals	1 x 16 – 35 mm ²
Enclosure material	Polyamide

Flange socket

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

¹⁾ extended temperature range on request

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



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
		Coupler	2.1 kg	GHG 525 3409 R0001
		Flange socket	1.4 kg	GHG 525 8409 R0001
		Inlet	0.9 kg	GHG 525 9409 R0001
380-415 V		Wall socket with interlock switch	8.6 kg	GHG 525 4406 R0001
		Plug	1.3 kg	GHG 525 7406 R0001
		Coupler	2.1 kg	GHG 525 3406 R0001
		Flange socket	1.4 kg	GHG 525 8406 R0001
		Inlet	0.9 kg	GHG 525 9406 R0001
480-500 V		Wall socket with interlock switch	8.6 kg	GHG 525 4407 R0001
		Plug	1.3 kg	GHG 525 7407 R0001
		Coupler	2.1 kg	GHG 525 3407 R0001
		Flange socket	1.4 kg	GHG 525 8407 R0001
		Inlet	0.9 kg	GHG 525 9407 R0001
600-690 V		Wall socket with interlock switch	8.6 kg	GHG 525 4405 R0001
		Plug	1.3 kg	GHG 525 7405 R0001
		Coupler	2.1 kg	GHG 525 3405 R0001
		Flange socket	1.4 kg	GHG 525 8405 R0001
		Inlet	0.9 kg	GHG 525 9405 R0001

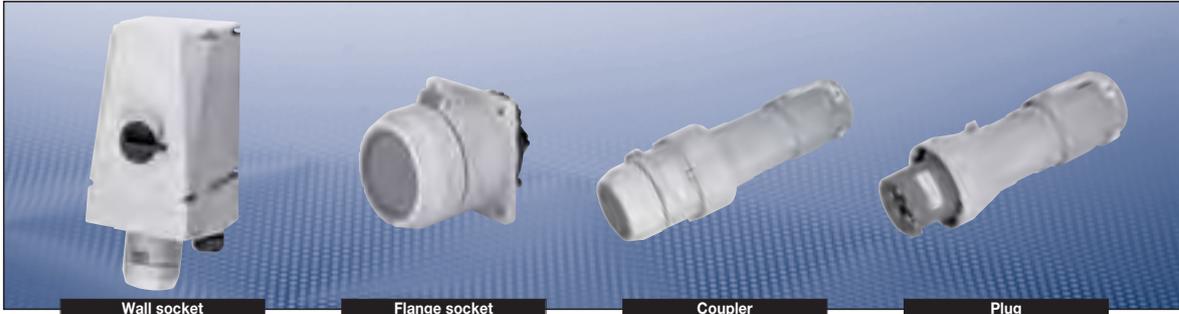
Type 125 A 5-pole				
200-250 V		Wall socket with interlock switch	8.8 kg	GHG 525 4506 R0001
380-415 V		Plug	1.4 kg	GHG 525 7506 R0001
		Coupler	2.2 kg	GHG 525 3506 R0001
		Flange socket	1.5 kg	GHG 525 8506 R0001
		Inlet	1.1 kg	GHG 525 9506 R0001

Other voltage ranges and versions available on request

Accessories

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

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



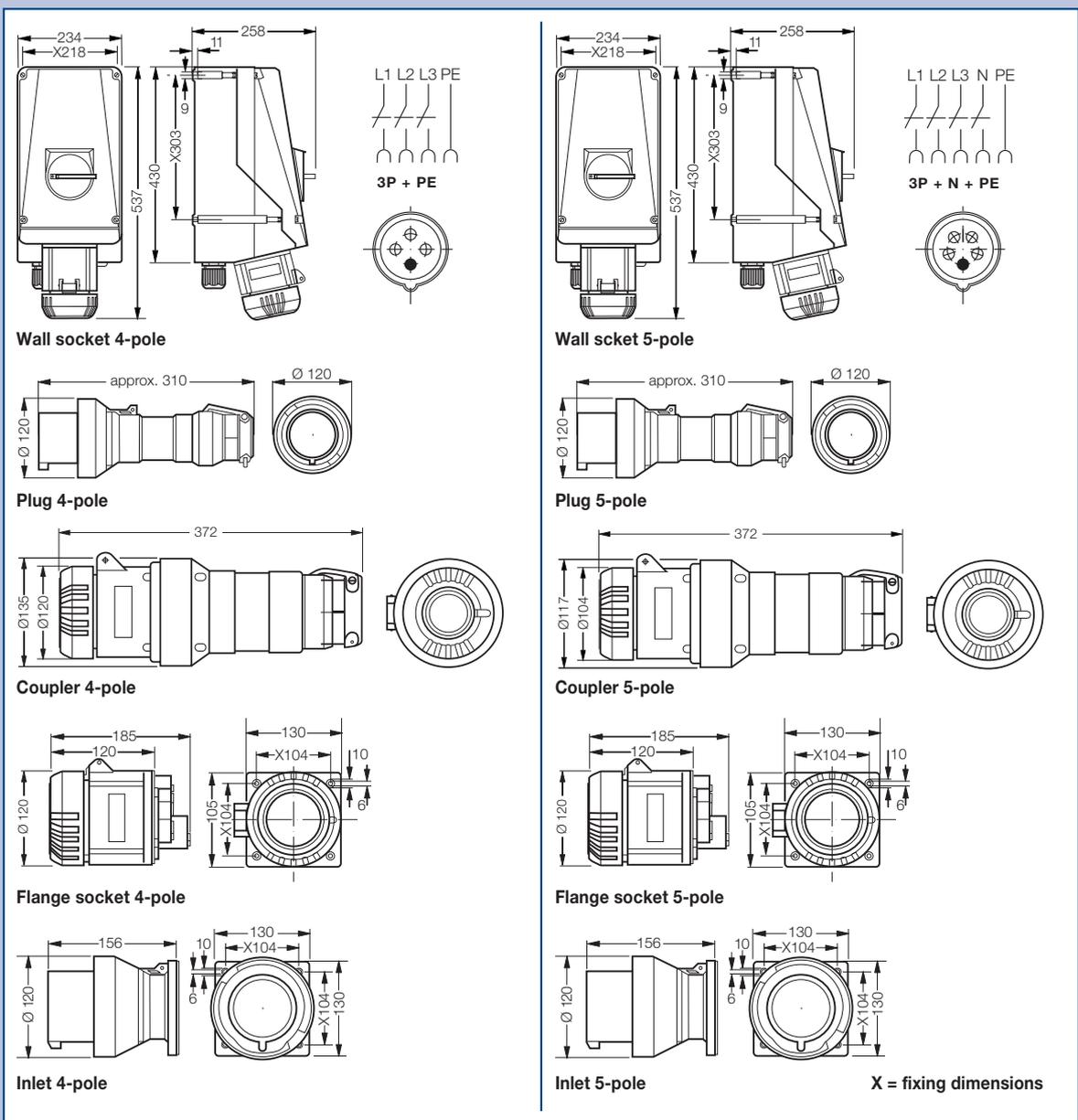
Wall socket

Flange socket

Coupler

Plug

Dimension drawing | Wiring diagram



Dimensions in mm

1

2

3

4

5

6

7

8

9

10

11

12

EX-REPAIR AND MAINTENANCE RECEPTACLES

16 A - 63 A

Plastic version for Zone 1/2/1

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

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

The CEAG explosion-protected repair and maintenance 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.

International approvals



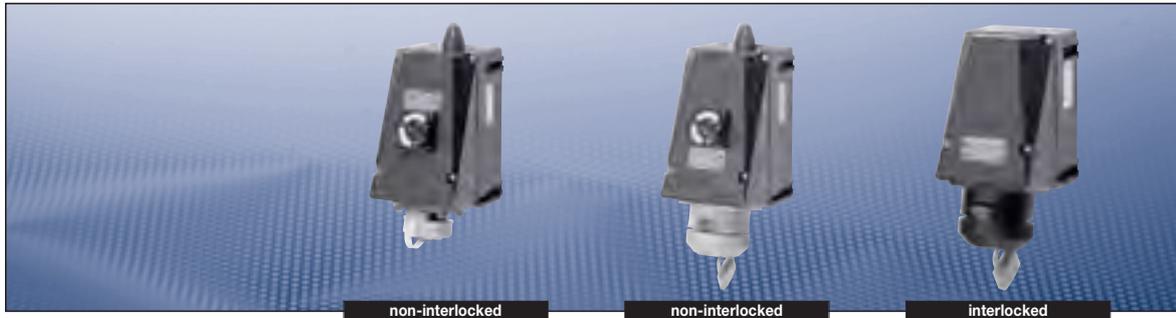
Commercially available industrial apparatus can be used with a "hot work permit"

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

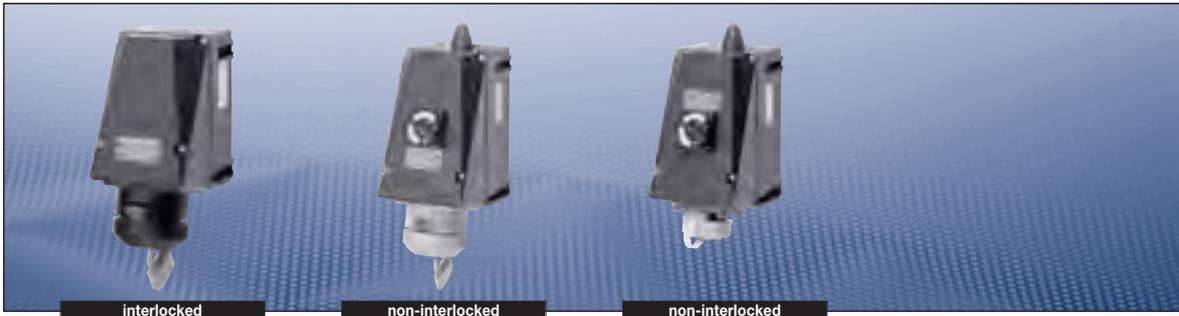


Technical data

Ex-receptacles accd. to IEC 60309-1/2	
Marking to 94/9/EC	Ⓔ 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 gL (rated current 16 A set to)
Insulation class	I
Degree of protection to EN 60529	IP66
Cable glands	1 x M25 Ø 8 - 17 mm, 1 x M25 Ex-thread plug plastic or 2 x metal thread M20 with Ex-screw plug plastic
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Glass-fibre reinforced polyester

¹⁾ extended temperature range on request

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



Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type 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
		Plug with PE contact ¹⁾			

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
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

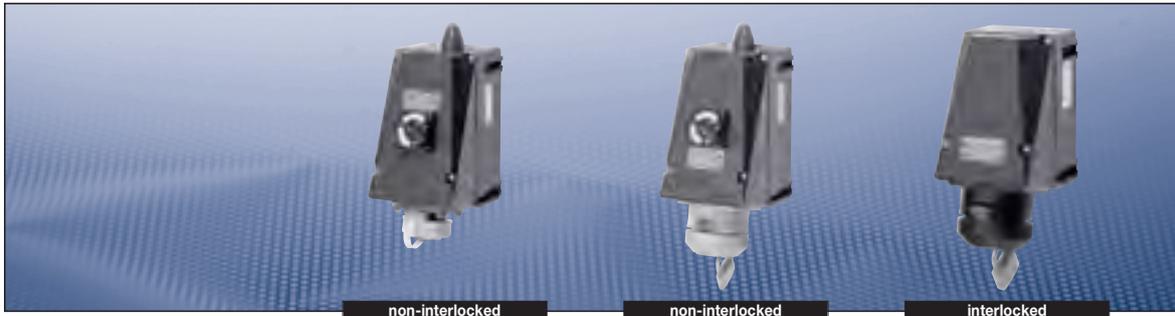
GM = 2 x metal thread M20 without cable gland/thread plug with protective earth

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

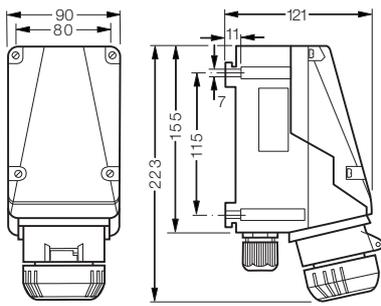
ME = 2 x metal thread M20 with Ex-thread plug plastic

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

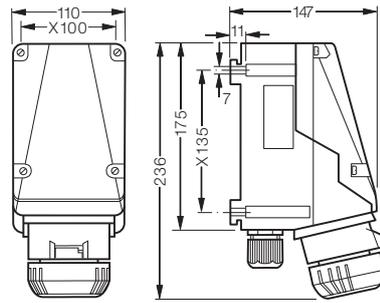
¹⁾ Not compatible with GHG 511 7306 R0001



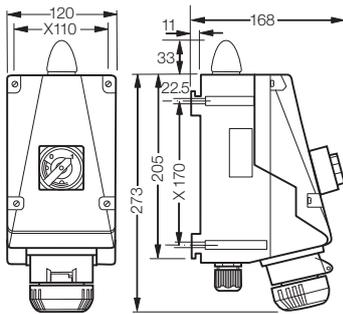
Dimension drawing | Wiring diagram



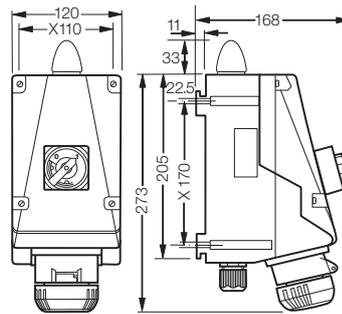
Wall socket interlocked 3-pole



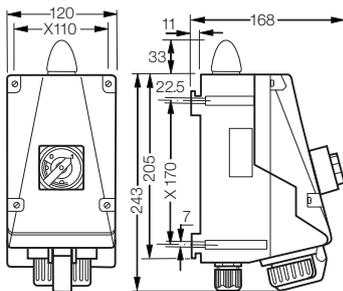
Wall socket interlocked 5-pole



Wall socket non-interlocked 3-pole



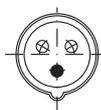
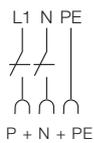
Wall socket non-interlocked 5-pole



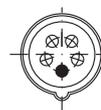
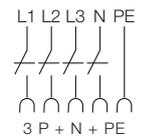
Wall socket non-interlocked with earthing contact 3-pole

X = fixing dimensions

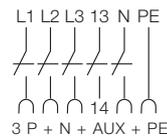
with earthing contact



without auxiliary contact



with auxiliary contact



Dimensions in mm