

EX - PLUG AND RECEPTACLE

**16 A to 125 A
plugs and receptacles plastic version for Zone 2**

1 A good connection

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

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

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

CEAG plugs and receptacles offer more, apart from the proven technology, this product series is defined by its innovative details. For example, the very efficient cable strain relief or the new coding system of the various versions offers different solutions for a secure and problem free utilization in all areas. Just to round the product off, the user in the normal industrial sector becomes exactly the same product advantages. Robust industrial versions fulfil all requirements 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 acc. to IEC 60309-1/2 16A

Marking accd. 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 up to +40°C ¹⁾
Rated voltage	up to 400 V (3-pole) / 750 V (4-pole) / 500 V (5-pole) AC
Rated current	up to 16 A
Frequency	up to 400 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	400 V / 16 A
External back-up fuse, max.	without therm. protection: 16 A with therm. protection: 35 A gL (rated current 16 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket

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

Plug

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

Coupler

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

Flange socket

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

¹⁾ extended temperature range on request

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

1



Wall socket



Flange socket



Coupler



Plug

Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type 16 A 3-pole					
110-130 V		Wall socket	KU	1.2 kg	GHG 516 4304 R0001
		Wall socket	ME	1.3 kg	GHG 516 4304 R3001
		Flange socket		0.4 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	

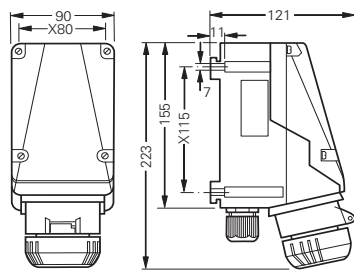
other voltage ranges and versions, e.g. with aux. contact, on request

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

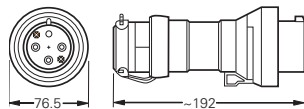
ME = 2 x metal thread M20 with plastic Ex-screw plug



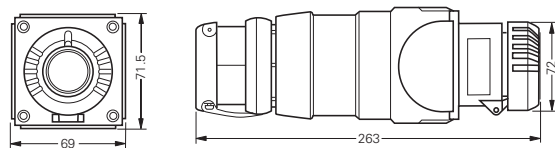
Dimension drawing | Wiring diagram



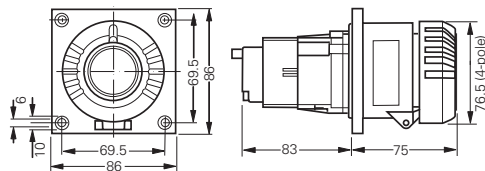
Wall socket 3-pole



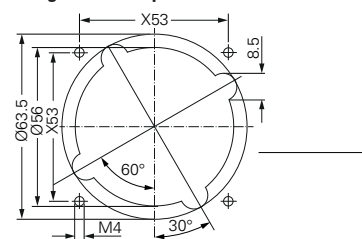
Plug 3-pole



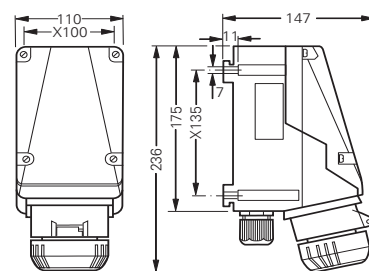
Coupler 3-pole



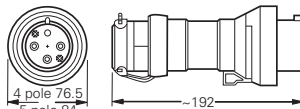
Flange socket 3-pole



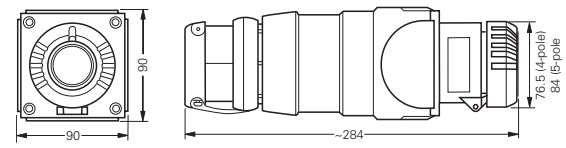
Assembly dimensions flange socket



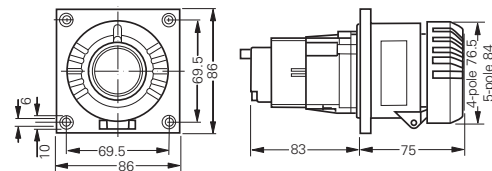
Wall socket 4/5-pole



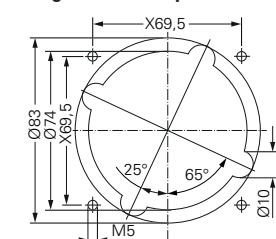
Plug 4/5-pole



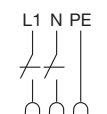
Coupler 4/5-pole



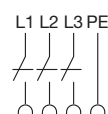
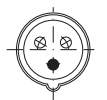
Flange socket 4/5-pole



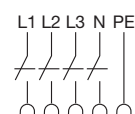
Assembly dimensions flange socket X = fixing dimensions



1P + N + PE



3P + PE



3P + N + PE



Zone 2: 16A 3-pole, 4-pole and 5-pole up to 690 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 clamp	snap on	GHG 610 1953 R0130

Plug cap for plugs 16 A

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

Accessories for mounting plates

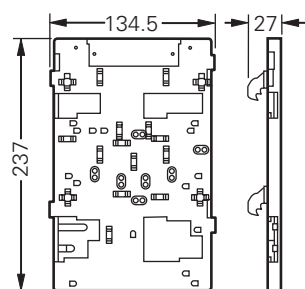
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

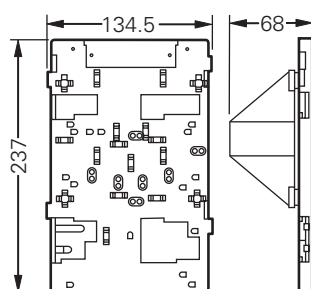
Protective canopy for mounting plate

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

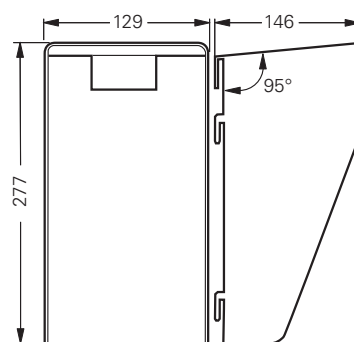
Dimension drawing



Mounting plate size 4
for wall/trellis mounting



Mounting plate size 4
for pipe mounting



Protective canopy size 4

Dimensions in mm



Technical data

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

Marking accd. to 94/9/EC	Ex 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)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

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

Coupler

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

Flange socket

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



Wall socket



Flange socket



Coupler



Plug

Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type 32 A 4-pole					
200-250 V		Wall socket	KU	1.8 kg	GHG 517 4409 R0001
		Wall socket	ME	1.9 kg	GHG 517 4409 R3001
		Flange socket		1.0 kg	GHG 517 8409 R0001
		Coupler		1.7 kg	GHG 517 3409 R0001
		Plug		0.7 kg	GHG 517 7409 R0001
9					
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
6					
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
7					
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
5					
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	
6					

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

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

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



Plug



Coupler



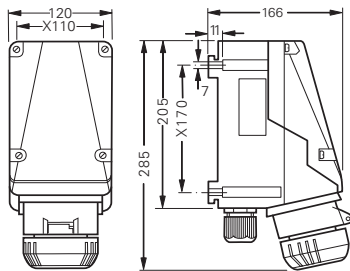
Flange socket



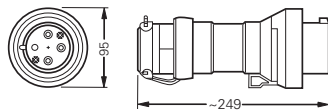
Wall socket

1

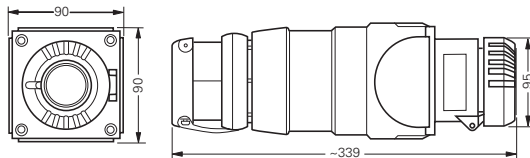
Dimension drawing | Wiring diagram



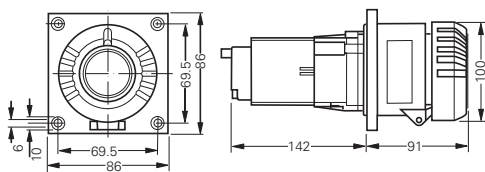
Wall socket 4-pole



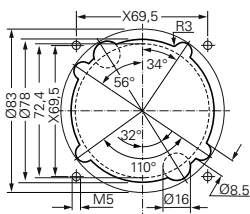
Plug 4-pole



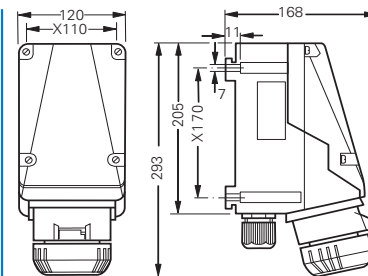
Coupler 4-pole



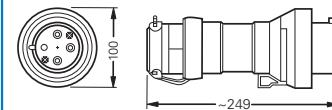
Flange socket 4-pole



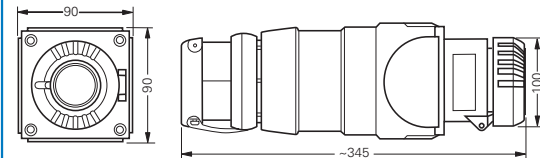
Assembly dimensions flange socket



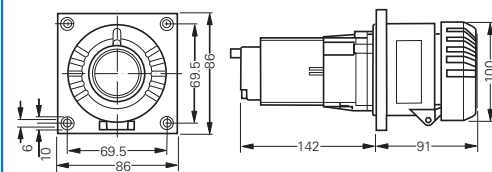
Wall socket 5-pole



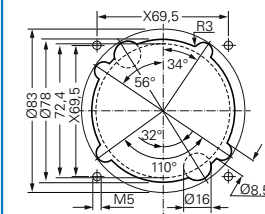
Plug 5-pole



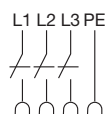
Coupler 5-pole



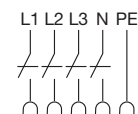
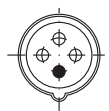
Flange socket 5-pole



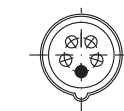
Assembly dimensions flange socket X = fixing dimensions



3P + PE

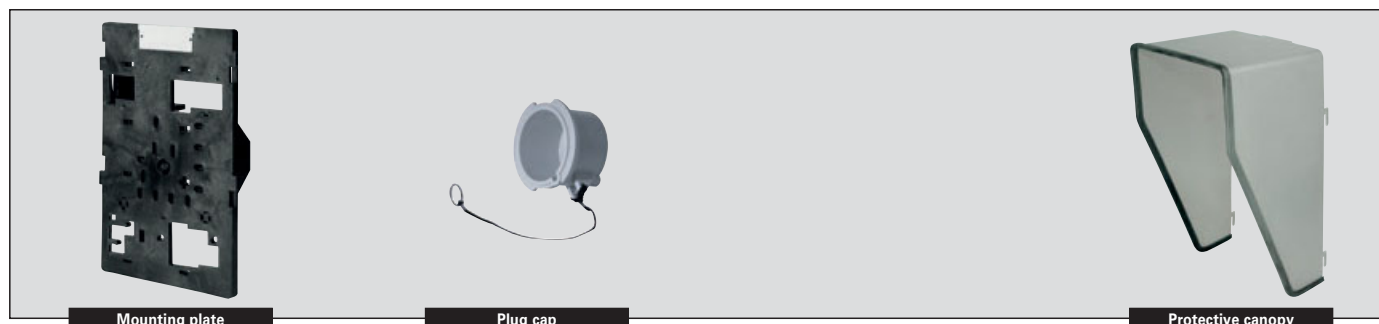


3P + N + PE



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

1



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 clamp	snap on	GHG 610 1953 R0132

Plug cap for plugs 32 A

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

Accessories for mounting plates

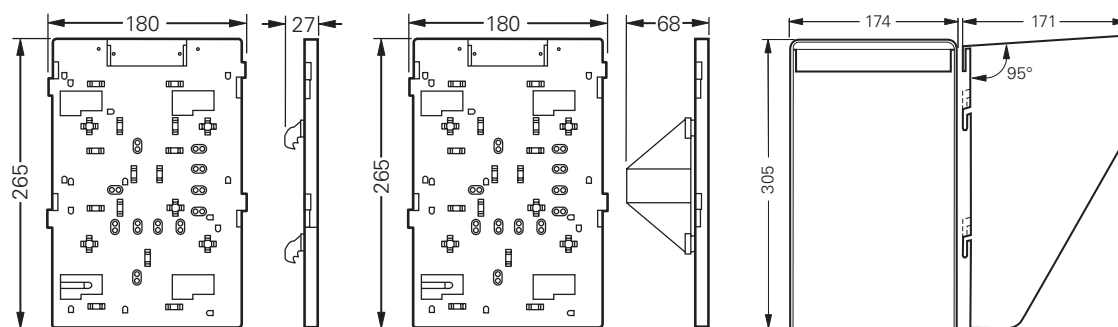
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

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

Protective canopy for mounting plate

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

Dimension drawing



Mounting plate size 5
for wall/trellis mounting

Mounting plate size 5
for pipe mounting

Protective canopy size 5

Dimensions in mm



Plug



Wall socket

1

Technical data

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

Marking accd. to 94/9/EC	Ex 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)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

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

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

³⁾ see accessories

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



Wall socket



Plug



Plug cap

Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type 63 A 4-pole					
200-250 V		Wall socket	KU	8.1 kg	GHG 518 4409 R0001
		Wall socket	ME	8.2 kg	GHG 518 4409 R3001
		Plug		0.75 kg	GHG 518 7409 R0001
9					
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
6					
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
7					
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
5					
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
6					

Accessories

Plug cap for plugs

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

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

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

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



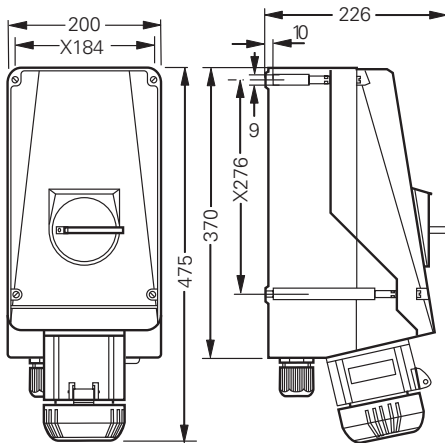
Plug



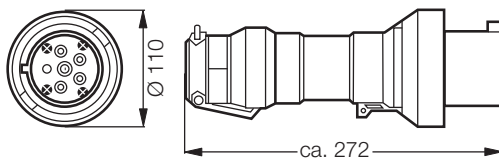
Wall socket

1

Dimension drawing | Wiring diagram

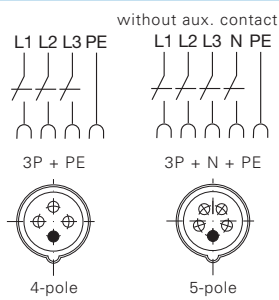


Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions



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

1



Wall socket



Plug

Technical data

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

Marking accd. to 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)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Enclosure colour	black

Wall socket

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

Plug

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

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

³⁾ see accessories



Plug



Wall socket

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Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type 125 A 4-pole					
200-250 V	 9	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	 6	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	 7	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	 5	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	 6	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
Set of ring cable lugs 70/120 mm ² for wall socket (4 + 1 pcs.)	5	GHG 260 1911 R0004
Set of cable lugs 50 mm ² (5 pcs., for plug)	5	GHG 510 1916 R0002

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

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

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

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

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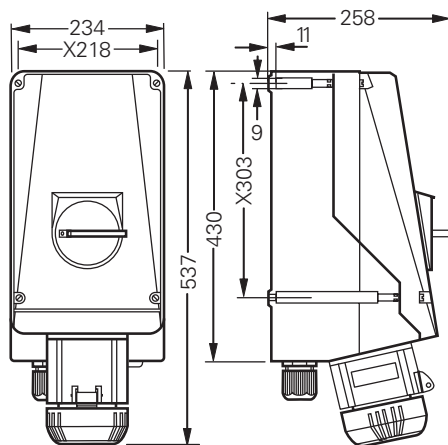


Wall socket

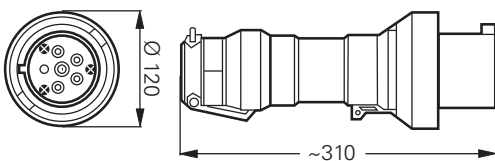


Plug

Dimension drawing | Wiring diagram

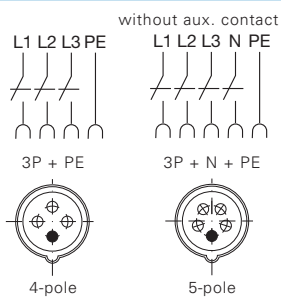


Wall socket 4/5-pole



Plug 4/5-pole

X = fixing dimensions



Dimensions in mm