

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

1



Wall socket



Flange socket



Coupler



Plug

### Technical data

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

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

#### Wall socket

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

#### Plug

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

#### Coupler

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


#### Flange socket

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

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

Details for used cable glands see pages 2.3.ff

### Ordering details

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

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Plug



Coupler









Flange socket



Wall socket

**Ordering details**

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
<b>Type 16 A 3-pole</b>						
200-250 V		Wall socket	–	KU	1.2 kg	<b>GHG 511 4306 R0001</b>
		Wall socket	–	GE	1.2 kg	<b>GHG 511 4306 R0002</b>
		Wall socket	–	ME	1.3 kg	<b>GHG 511 4306 R3001</b>
		Wall socket	–	GM	1.3 kg	<b>GHG 511 4306 R3003</b>
		Flange socket			0.4 kg	<b>GHG 511 8306 R0001</b>
		Coupler			0.7 kg	<b>GHG 511 3306 R0001</b>
		Plug			0.35 kg	<b>GHG 511 7306 R0001</b>
<b>Type 16 A 4-pole</b>						
200-250 V		Wall socket	–	KU	1.4 kg	<b>GHG 511 4409 R0001</b>
		Wall socket	–	ME	1.5 kg	<b>GHG 511 4409 R3001</b>
		Wall socket	–	GM	1,6 kg	<b>GHG 511 4409 R3003</b>
		Flange socket			1.0 kg	<b>GHG 511 8409 R0001</b>
		Coupler			0.9 kg	<b>GHG 511 3409 R0001</b>
		Plug			0.38 kg	<b>GHG 511 7409 R0001</b>
		380-415 V		Wall socket	–	KU
Wall socket	–			ME	1.5 kg	<b>GHG 511 4406 R3001</b>
Wall socket	–			GM	1,6 kg	<b>GHG 511 4406 R3003</b>
Wall socket	yes			KH	1,4 kg	<b>GHG 511 4406 R0501</b>
Flange socket					1.0 kg	<b>GHG 511 8406 R0001</b>
Coupler					0.9 kg	<b>GHG 511 3406 R0001</b>
Plug					0.38 kg	<b>GHG 511 7406 R0001</b>
480-500 V		Wall socket	–	KU	1.4 kg	<b>GHG 511 4407 R0001</b>
		Wall socket	–	ME	1.5 kg	<b>GHG 511 4407 R3001</b>
		Wall socket	yes	KH	1,4 kg	<b>GHG 511 4407 R0501</b>
		Flange socket			1.0 kg	<b>GHG 511 8407 R0001</b>
		Coupler			0.9 kg	<b>GHG 511 3407 R0001</b>
		Plug			0.38 kg	<b>GHG 511 7407 R0001</b>
		600-690 V		Wall socket	–	KU
Wall socket	–			ME	1.5 kg	<b>GHG 511 4405 R3001</b>
Wall socket	yes			KH	1,4 kg	<b>GHG 511 4405 R0501</b>
Flange socket					1.0 kg	<b>GHG 511 8405 R0001</b>
Coupler					0.9 kg	<b>GHG 511 3405 R0001</b>
Plug					0.38 kg	<b>GHG 511 7405 R0001</b>
<b>Type 16 A 5-pole</b>						
200-250 V 380-415 V		Wall socket	–	KU	1.4 kg	<b>GHG 511 4506 R0001</b>
		Wall socket	–	ME	1.5 kg	<b>GHG 511 4506 R3001</b>
		Wall socket	yes	KH	1,4 kg	<b>GHG 511 4506 R0501</b>
		Wall socket	–	GM	1,6 kg	<b>GHG 511 4506 R3003</b>
		Flange socket			1.0 kg	<b>GHG 511 8506 R0001</b>
		Coupler			0.95 kg	<b>GHG 511 3506 R0001</b>
		Plug			0.42 kg	<b>GHG 511 7506 R0001</b>

Other voltage ranges and versions available on request

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

ME = 2 x metal thread M20

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

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

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

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flange socket

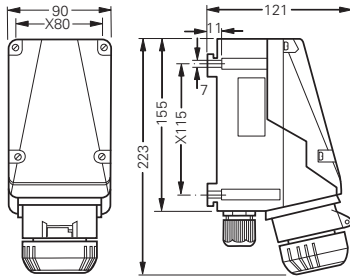


Coupler

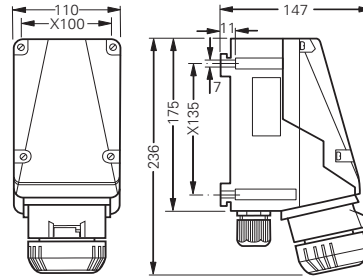


Plug

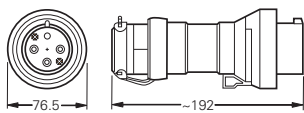
## Dimension drawing | Wiring diagram



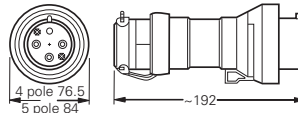
Wall socket 3-pole



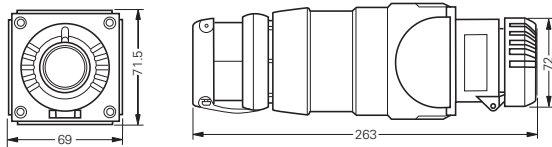
Wall socket 4/5-pole



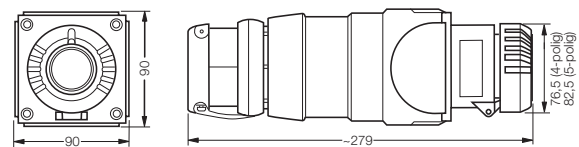
Plug 3-pole



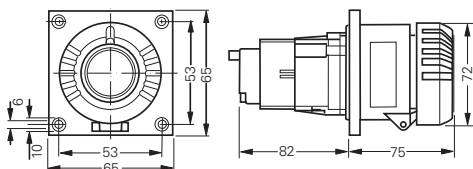
Plug 4/5-pole



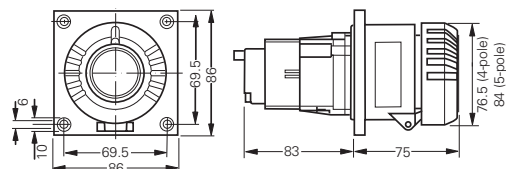
Coupler 3-pole



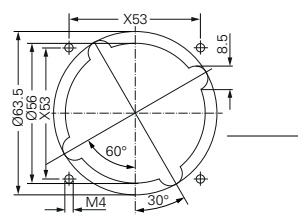
Coupler 4/5-pole



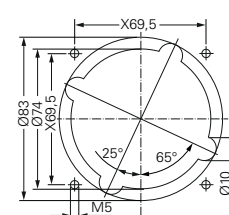
Flange socket 3-pole



Flange socket 4/5-pole

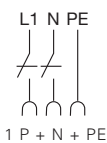


Assembly dimensions flange socket

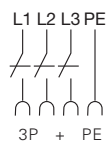


Assembly dimensions flange socket X = fixing dimensions

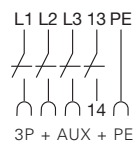
without aux. contact



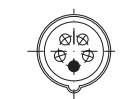
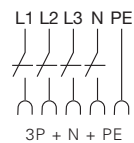
without aux. contact



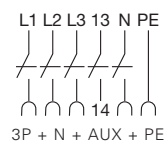
with aux. contact



without aux. contact



with aux. contact





Protective canopy



Plug cap

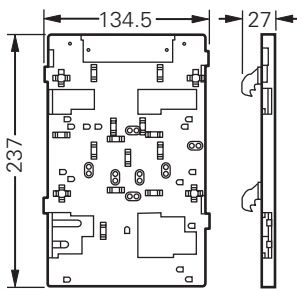


GHG 610 1901 R0126

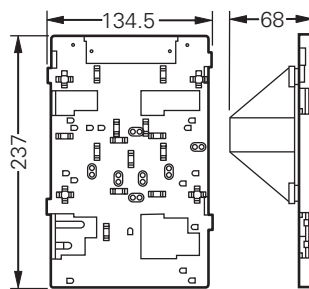
**Accessories**

Type	Application	Fixing method	Order No.
<b>Mounting plates for wall sockets 16 A</b>			
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
<b>Type</b>			<b>Order No.</b>
<b>Plug cap for plugs 16 A</b>			
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
<b>Type</b>		<b>OU</b>	<b>Order No.</b>
<b>Accessories for mounting plates</b>			
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.			
<b>Type</b>		<b>Application</b>	<b>Order No.</b>
<b>Protective canopy for mounting plate</b>			
Size 4	for mounting plate size 4, snap on		GHG 610 1955 R0107

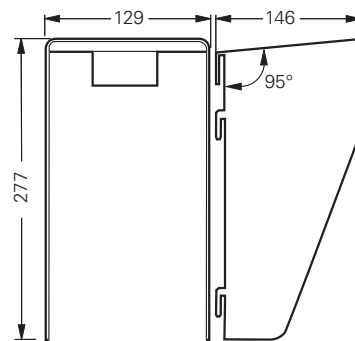
**Dimension drawing**



Mounting plate size 4 for wall/trellis mounting



Mounting plate size 4 for pipe clamp



Protective canopy size 4