

EX-REPAIR AND MAINTENANCE RECEPTACLES

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

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



1

Technical data

Ex-receptacles accd. to IEC 60309-1/2	
Marking accd. 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)
Protection class	I
Degree of protection accd. to EN 60529	IP66
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 1.0 - 4 mm ²
Enclosure material	glass-fibre reinforced polyester

¹⁾ extended temperature range on request

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

1



interlocked



non-interlocked



non-interlocked

Ordering details

Voltage	h	Type	Cable entry	Weight approx.	Order No.
Type CEE 16 A 3-pole, interlocked					
200-250 V		Wall socket	KU	1.1 kg	GHG 511 4306 R0901
		Wall socket	ME	1.2 kg	GHG 511 4306 R3901
		Wall socket	GM	1.2 kg	GHG 511 4306 R3902
		Plug			GHG 511 7306 R0001
	6				

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
	6				

Type 16 A 2-pole, non-interlocked „PE-contact“					
230 V		Wall socket ¹⁾	KU	1.2 kg	GHG 511 4306 R0902
		Wall socket ¹⁾	ME	1.3 kg	GHG 511 4306 R3903
		Wall socket ¹⁾	GM	1.3 kg	GHG 511 4306 R3904
		Schutzkontakt ¹⁾			

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
	6					

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
	6					

Other voltage ranges and versions available on request

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

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

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

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

¹⁾ Not compatible with GHG 511 7306 R0001



non-interlocked



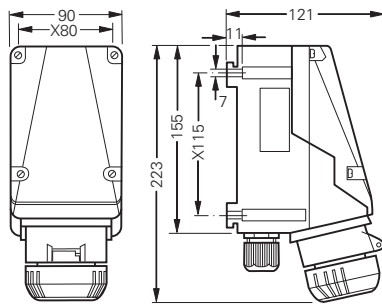
non-interlocked



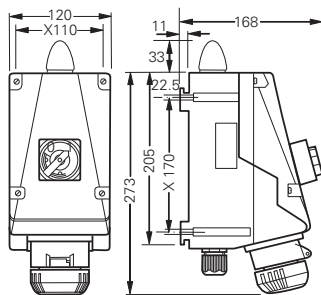
interlocked

1

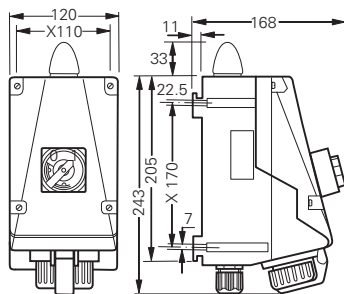
Dimension drawing | Wiring diagram



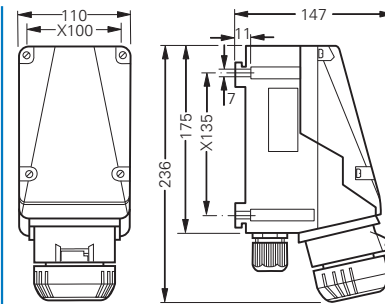
Wall socket interlocked 3-pole



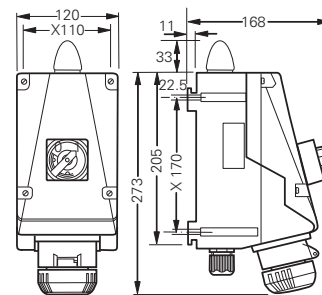
Wall socket non-interlocked 3-pole



Wall socket non-interlocked with earthing contact 3-pole



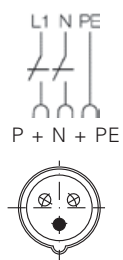
Wall socket interlocked 5-pole



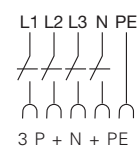
Wall socket non-interlocked 5-pole

X = fixing dimensions

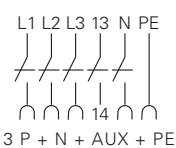
with earthing contact



without
aux. contact



with
aux. contact



Dimensions in mm

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

1



interlocked



non-interlocked

Technical data

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

Marking accd. 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	440 V (AC)
Rated current	32 A
Frequency	50/60 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 690 V / I _e 32 A
External back-up fuse, max.	without therm. protection: 35 A with therm. protection: 50 A gL (rated current 32 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable entry	1 x M40 Ø 17 - 28 mm, 1 x M40 plastic Ex-screw plug or 2 x metal thread M32 with plastic Ex-screw plug
Connecting terminals	2 x 4 - 10 mm ²
Enclosure material	glass-fibre reinforced polyester

¹⁾ extended temperature range on request



non-interlocked



interlocked

1

Ordering details

Voltage	h	Type	Aux. contact	Cable entry	Weight approx.	Order No.
Type 32 A 5-pole, interlocked						
380-415 V		Wall socket	–	KU	2.3 kg	GHG 512 4506 R0901
		Wall socket	–	ME	2.4 kg	GHG 512 4506 R3901
		Wall socket	yes	KH	2.3 kg	GHG 512 4506 R0903
	6					
Type 32 A 5-pole, non-interlocked						
380-415 V		Wall socket	–	KU	1.8 kg	GHG 512 4506 R0904
		Wall socket	–	ME	1.9 kg	GHG 512 4506 R3902
		Wall socket	yes	KH	1.8 kg	GHG 512 4506 R0905
	6					

Other voltage ranges and versions available on request.

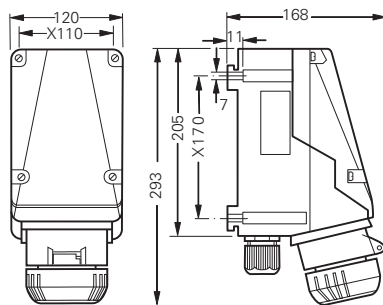
KU = 1 x plastic cable glands M40 Ø 17-28 mm, 1 x M40 plastic Ex-screw plug

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

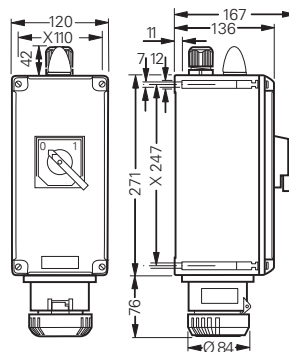
KH = 1 x plastic cable glands M40 Ø 17-28 mm,

1 x plastic cable glands M25 Ø 8-17 mm

Dimension drawing | Wiring diagram



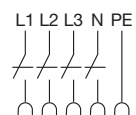
Wall socket interlocked 5-pole



Wall socket non-interlocked 5-pole

X = fixing dimensions

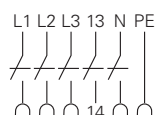
without
aux. contact



3 P + N + PE



with
aux. contact



3 P + N + AUX + PE

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

1



interlocked



non-interlocked

Technical data

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

Marking accd. 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	550 V (AC)
Rated current	63 A (AC)
Frequency	50/60 Hz
Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	U _e 690 V / I _e 63 A
External back-up fuse, max.	without therm. protection: 63 A with therm. protection: 80 A gL (rated current 63 A set to)
Protection class	I
Degree of protection accd. to EN 60529	IP66
Cable entry	1 x M50 Ø 22 - 35 mm, 1 x M50 plastic Ex-screw plug 2 x metal thread M40 with plastic Ex-screw plug
Connecting terminals	2 x 4 - 25 mm ²
Enclosure material	glass-fibre reinforced polyester

¹⁾ extended temperature range on request



non-interlocked



interlocked

1

Ordering details

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

125 A and other versions on request

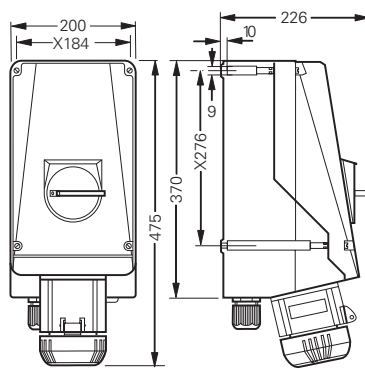
KU = 1 x plastic cable glands M50 Ø 22-35 mm, 1 x M50 plastic Ex-screw plug

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

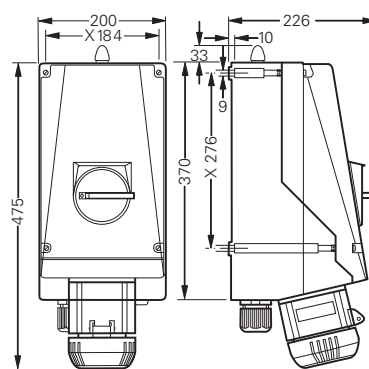
KH = 1 x plastic cable glands M50 Ø 22-35 mm,

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

Dimension drawing | Wiring diagram



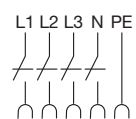
Wall socket interlocked 5-pole



Wall socket non-interlocked 5-pole

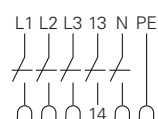
X = fixing dimensions

without
aux. contact

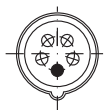


3 P + N + PE

with
aux. contact



3 P + N + AUX + PE



Dimensions in mm