

Explosion-protected wall sockets

CEAG Products

Personal protection!

Explosion-protected wall sockets with RCD/MCB



Crouse-Hinds
by **EAT•N**

Ex wall sockets with RCD/MCB

Plastic enclosures with integrated RCD/MCB from 16 A to 32 A for explosive gas atmospheres in Zones 1 and 2 and explosive dust atmospheres in Zones 21 and 22

The new explosion-proof wall sockets with integrated protective device (RCD/MCB) allows a local, customized protection of the connected equipment. It ensures a proper function when an error occurs due to short cable distances, shortens distances and allows a fast reaction after a fault.



On-site safety

When safety comes first

Especially in industrial environments with their numerous sources of danger, the protection of persons always comes first. Here, an RCD/MCB that is connected directly upstream from the end consumers is the optimal solution. With a tripping current of 10- 500 mA, it provides safe protection against serious injuries due to an electric shock in the event of a fault of the connected equipment. With the built-in RCD/MCB, the feed line and the end unit can be protected individually to suit the required load.

Your safety during maintenance work

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

No problems even with long cable lengths:

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

So that you can react quickly

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

Well thought-out – down to the last detail

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



Features

- New standard for Ex wall sockets with personal protection
- Standard enclosures to suit various requirements
- Lockable, hinged MCB cover
- RCD/MCB 10- 500 mA
- Product series with 16 A and 32 A rated current
- High degree of protection IP 66

Technical data / Dimension drawing / Ordering details

Wall sockets for explosive gas atmospheres in Zones 1 and 2 and explosive dust atmospheres in Zones 21 and 22

Technical data

Marking to 94/9/EC	Ⓔ II 2 G Ex de IIC T4 Ⓔ II 2 D Ex tD A21 IP66 T80 °C
EC-Type Examination Certificate	PTB 99 ATEX 1044
IECEX certification of conformity	IECEX BK1 06.007
IECEX type of protection	Ex de IIC T4 Ex tD A21 IP66 T80 °C
Permissible ambient temperature	-20 °C up to +40 °C ²⁾
Rated voltage	24V / 130V / 230V / 400V (AC)
Rated current	16A / 32A
Connecting terminals	16A: 2 x 6mm ² / 32A: 2 x 16mm ²
Cable glands	2 x M25 x 1,5 (16 A) / 2 x M40 x 1,5 (32 A)
Insulation class	I
Degree of protection accd. EN 60529	IP66
Enclosure material	Enclosure: Glass-fibre reinforced polyester ¹⁾ / Flange socket: Polyamid

Ordering details

Type	Rated current	Rated voltage	Pole / h	Fuse	Order-No.
Typ 1	16 A	130 V	3-pol, 4 h	RCD/MCB 16A 30mA	GHG6190001R0007
Typ 1	16 A	24 V	3-pol, 8 h	RCD/MCB 16A 30 mA	GHG6190001R0008
Typ 1	16 A	250 V	3-pol, 6 h	RCD/MCB 16A 30mA	GHG6190001R0009
Typ 2	16 A	130 V	5-pol, 4 h	RCD/MCB 16A 30mA	GHG6190001R0010
Typ 2	16 A	400 V	5-pol, 6 h	RCD/MCB 16A 30mA	GHG6190001R0011
Typ 3	32 A	130 V	5-pol, 4 h	RCD/MCB 32A 30mA	GHG6190001R0013
Typ 3	32 A	400 V	5-pol, 6 h	RCD/MCB 32A 30mA	GHG6190001R0014

¹⁾ Further types on request (other RCD/MCB; other enclosure materials GRP/stainless steel)

²⁾ Extended temperature range on request

Type 1



Type 2

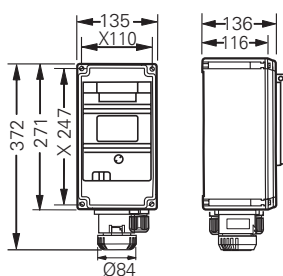


Type 3

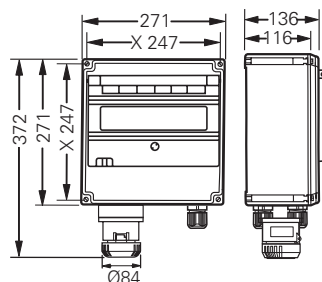


Dimension drawings

Type 1



Type 2



Type 3

