

EX - WALL SOCKET WITH RCD / MCB

Enclosure solutions with RCD/MCB (RCBO) 16 A up to 32 A

1 The new explosion-protected wall sockets with integrated protective device allow the local, customized protection of the connected equipment.

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.

With the new RCD/MCB sockets even individual work areas can be isolated with utmost precision while maintenance work is carried out. In case 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.

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.

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.

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

- New standard for Ex-wall sockets with personnel protection
- Standard-enclosure for various requirements
- Lockable actuating flap
- MCB 10 - 500 mA
- Product series for 16 A and 32 A rated current
- High ingress protection IP 66




Type 1

Type 2

Type 3
1

Technical data

Ex-wall socket 16 - 32 A with RCD/MCB

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

¹⁾ Other types on request (other RCBOs or enclosure materials GRP/stainless steel)

²⁾ extended temperature range on request

Ordering details wall socket with RCD/MCB (RCBO)

Voltage	No. of poles/h	Rated current	Dimension in mm (L x B x H)	Weigt approx.	Cable gland	Order-No.
Typ 1 with RCBO 16 A 30 mA						
110 - 130 V	3-pol. 4 h	16 A	372 x 135 x 136	2,4 kg	2 x M25	GHG 619 0001 R0007
24 V	3-pol. 8 h	16 A	372 x 135 x 136	2,4 kg	2 x M25	GHG 619 0001 R0008
220 - 250 V	3-pol. 6 h	16 A	372 x 135 x 136	2,4 kg	2 x M25	GHG 619 0001 R0009
Typ 2 with RCD/MCB 16 A 30 mA						
110 - 130 V	5-pol. 4 h	16 A	372 x 271 x 136	2,7 kg	2 x M25	GHG 619 0001 R0010
380 - 415 V	5-pol. 6 h	16 A	372 x 271 x 136	2,7 kg	2 x M25	GHG 619 0001 R0011
Typ 3 with RCD/MCB 32 A 30 mA						
110 - 130 V	5-pol. 4 h	32 A	522 x 271 x 136	3,5 kg	2 x M40	GHG 619 0001 R0013
380 - 415 V	5-pol. 6 h	32 A	522 x 271 x 136	3,5 kg	2 x M40	GHG 619 0001 R0014

Dimension drawing

