Explosion-protected wall sockets

Personal protection!

Explosion-protected wall sockets with RCD/MCB

Crouse-Hinds by Eaton
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

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 6mm² / 32A: 2 x 16mm²

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 polyester1) / Flange socket: Polyamid

Ordering details

<table>
<thead>
<tr>
<th>Type</th>
<th>Rated current</th>
<th>Rated voltage</th>
<th>Pole / h</th>
<th>Fuse</th>
<th>Order-No.</th>
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<tbody>
<tr>
<td>Typ 1</td>
<td>16 A</td>
<td>130 V</td>
<td>3-pol, 4 h</td>
<td>RCD/MCB 16A 30mA</td>
<td>GHG6190001R0007</td>
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<tr>
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<td>24 V</td>
<td>3-pol, 8 h</td>
<td>RCD/MCB 16A 30mA</td>
<td>GHG6190001R0008</td>
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<td>16 A</td>
<td>130 V</td>
<td>5-pol, 4 h</td>
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<tr>
<td>Typ 2</td>
<td>16 A</td>
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<td>Typ 3</td>
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<tr>
<td>Typ 3</td>
<td>32 A</td>
<td>400 V</td>
<td>5-pol, 4 h</td>
<td>RCD/MCB 32A 30mA</td>
<td>GHG6190001R0014</td>
</tr>
</tbody>
</table>

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

Type 1

Type 2

Type 3

Dimension drawings

Type 1

Type 2

Type 3
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