




## KV Circuit breaker boxes with metric knockouts



**KV 9448 M**

- 48 modules: 4 x 12 x 18 mm

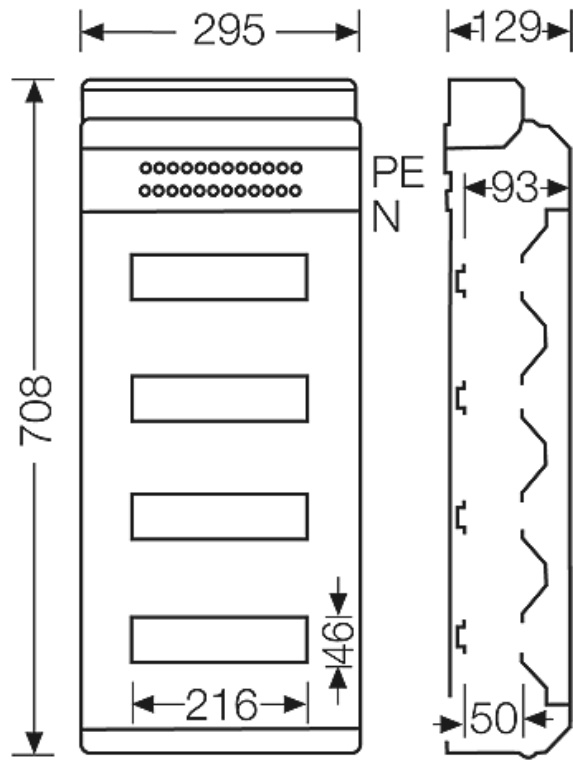



- 4-row
- per PE/N number x cross section 6 x 25 mm<sup>2</sup>, 24 x 4 mm<sup>2</sup> Cu, FIXCONNECT<sup>®</sup> terminal technology, for terminal technology refer to technical data
- N separable, up to 4 different potentials
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent door
- for door locking device and sealing device refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: top and bottom walls 4 x M20, 2 x M20/25 and 1 x M32 each
- degree of protection: IP 65
- colour: grey, RAL 7035

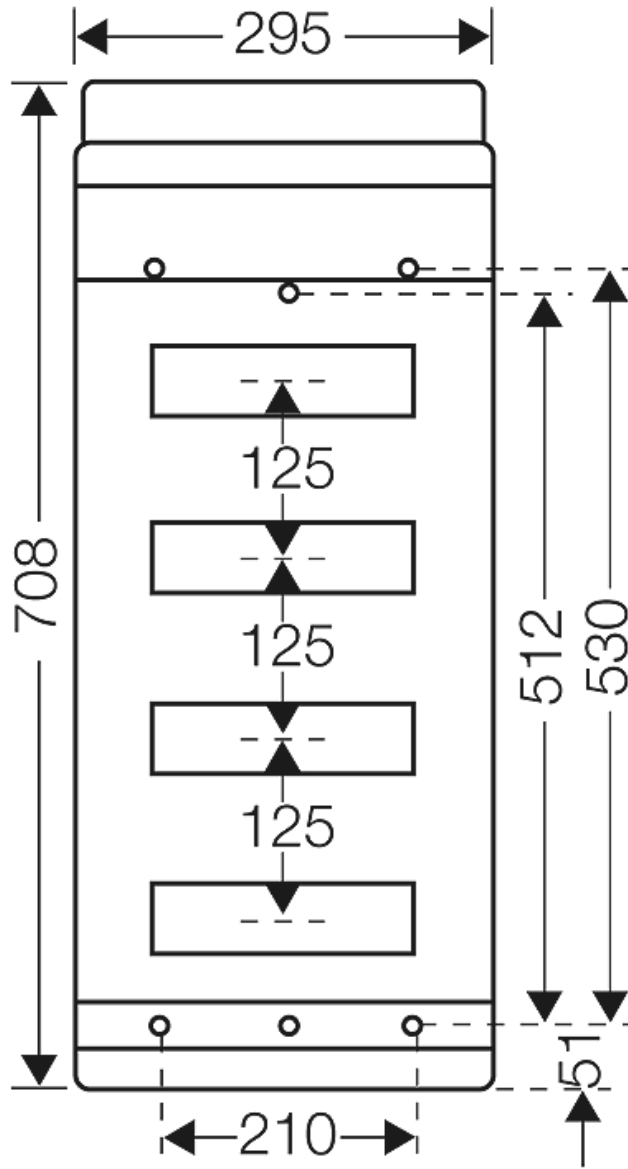
|                               |   |
|-------------------------------|---|
| rated insulation voltage      | $U_i = 400 \text{ V a.c.}$  |
| power dissipation capability  | $P_{de} = 43 \text{ watts at } 30 \text{ K according to EN 60670-24}$ |
| permissible power dissipation | $P_{zul} = 34 \text{ watts at } 30 \text{ K according to DIN 43871}$  |
| protection class              | II  |
| material                      | PS (Polystyrene)  |
| width                         | 295 mm  |
| height                        | 708 mm  |
| depth                         | 129 mm  |
| weight                        | 3,94 kg   |

## Drawings

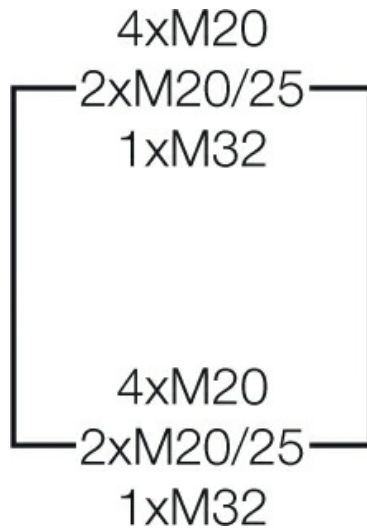
Dimension drawing



Detail mass



Box walls



## Operating and ambient conditions

|   |  |
|---|--|
| Application area                                | IP 54/65 design: Suitable for indoor installation and outdoor installation, protected against weather influences<br>IP 40/41 design: Suitable for installation in dry indoor areas<br>However, pay attention to the climatic effects on the installed equipment, for example, high or low ambient temperatures or formation of condensed water see technical information |
| Ambient temperature                             | Average value over 24 hours + 35 °C<br>Maximum value + 40 °C<br>Minimum value - 5 °C   |
| Relative humidity                               | 50% at 40° C<br>short-time<br>100% at 25° C  |
| Fire protection in the event of internal faults | Demands placed on electrical devices from standards and laws<br>Minimum requirements<br>- Glow wire test in accordance with IEC 60695-2-11:<br>- 650°C for boxes and cable glands<br>- 850°C for parts of insulating material necessary to retain current carrying parts in position   |
| Burning behaviour                               | Glow wire test IEC 60695-2-11: 750 °C<br>UL Subject 94: V-2<br>flame-retardant<br>self-extinguishing   |
| Degree of protection against mechanical load    | IK08 (5 Joule)   |

|                 |  |
|-----------------|--|
| Toxic behaviour | halogen-free<br>silicone-free<br>"halogen-free" in accordance with the examination of the cables and insulated wires - corrosiveness of fumes - as per IEC 60754-2 |
|-----------------|--|

Note: For material properties see technical data.