




## KV Circuit breaker boxes with metric knockouts



### KV 8112 M

- 12 modules: 1 x 12 x 18 mm
- without PE and N terminal

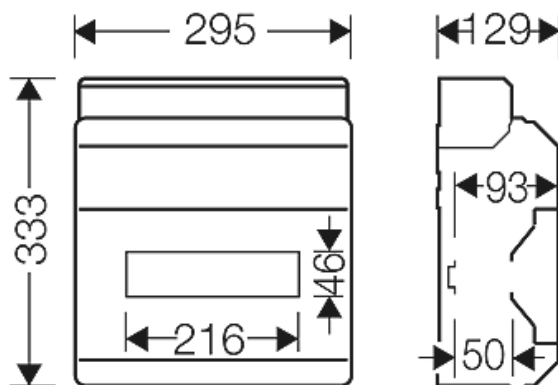



- 1-row
- order PE/N terminals separately
- for the installation of DIN rail equipment up to 63 A, top hat profile 35 mm
- with transparent door
- for door locking device and sealing device refer to accessories
- with cable entry cover
- with blanking strips for unused DIN rail openings
- knockouts: 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

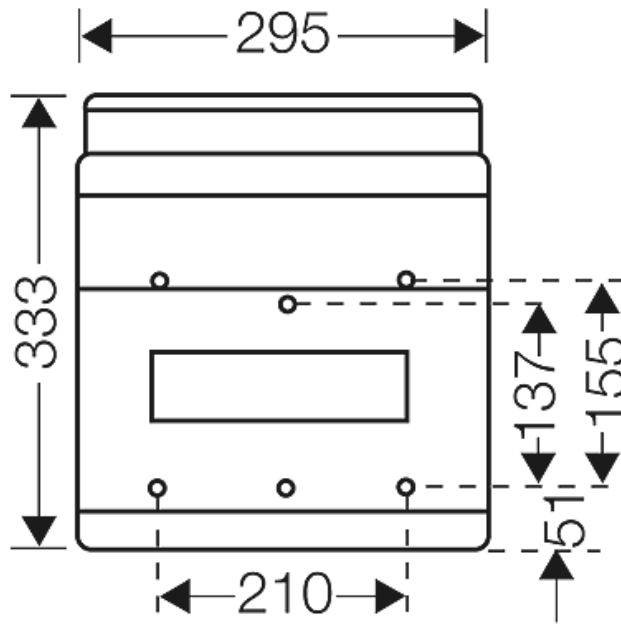
|                               |   |
|-------------------------------|---|
| rated insulation voltage      | $U_i = 400 \text{ V a.c.}$  |
| power dissipation capability  | $P_{de} = 26 \text{ watts at } 30 \text{ K according to EN 60670-24}$ |
| permissible power dissipation | $P_{zul} = 21 \text{ watts at } 30 \text{ K according to DIN 43871}$  |
| protection class              | II  |
| material                      | PS (Polystyrene)  |
| width                         | 295 mm  |
| height                        | 333 mm  |
| depth                         | 129 mm  |
| weight                        | 1,786 kg  |

## Drawings

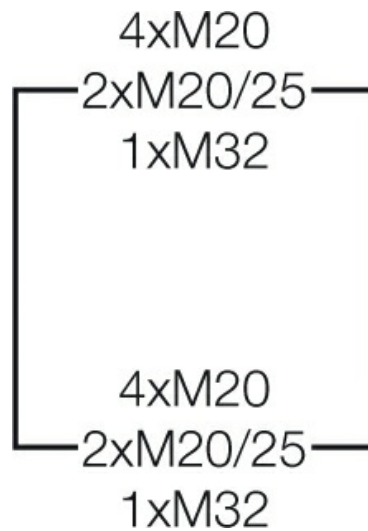
Dimension drawing



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

Minimum requirements

- Glow wire test in accordance with IEC 60695-2-11:
- 650°C for boxes and cable glands
- 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  
UL Subject 94: V-2  
flame-retardant  
self-extinguishing

Degree of protection against mechanical load

IK08 (5 Joule)

Toxic behaviour

halogen-free  
silicone-free  
"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.