


for aluminium (Alu) and copper (Cu) conductors



**K 9951**

- 6-95 mm<sup>2</sup>, Cu/Alu 3~

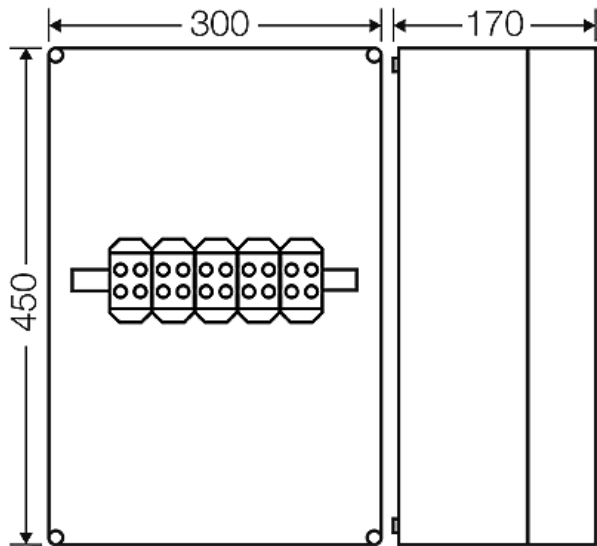
IP  
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- with terminals
- 5-pole per pole 4 x 6-95 mm<sup>2</sup>, conductors are inserted into the screw-type terminal, terminal technology, see annex DK Cable junction boxes
- order cable glands, flanges and other accessories separately as required
- before connecting, aluminum conductors must be pre-treated according to the appropriate technical recommendations, see technical information aluminum conductors
- for normal environment and protected outdoor
- colour: grey, RAL 7035

rated insulation voltage	U <sub>i</sub> = 690 V a.c./d.c.
current carrying capacity	490 A
tightening torque for terminal	12.0 Nm 6-25 mm <sup>2</sup> 22.0 Nm 35-95 mm <sup>2</sup>
material	PC (polycarbonate)
Degree of protection:	IP 65
width	300 mm
height:	450 mm
depth	170 mm
Weight	3,38 kg

Drawings

Dimension drawing



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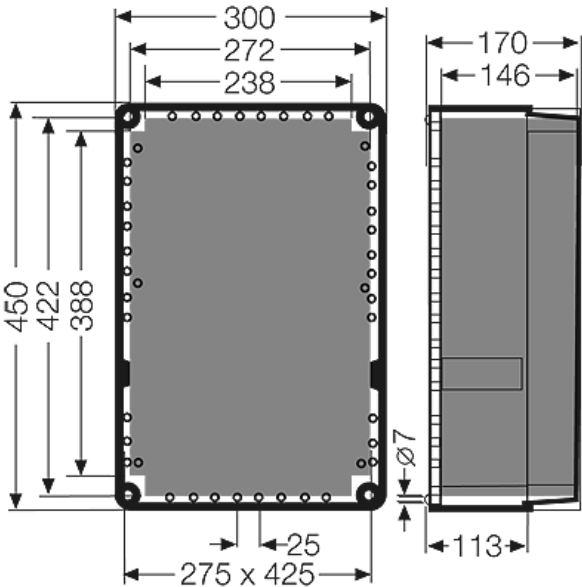
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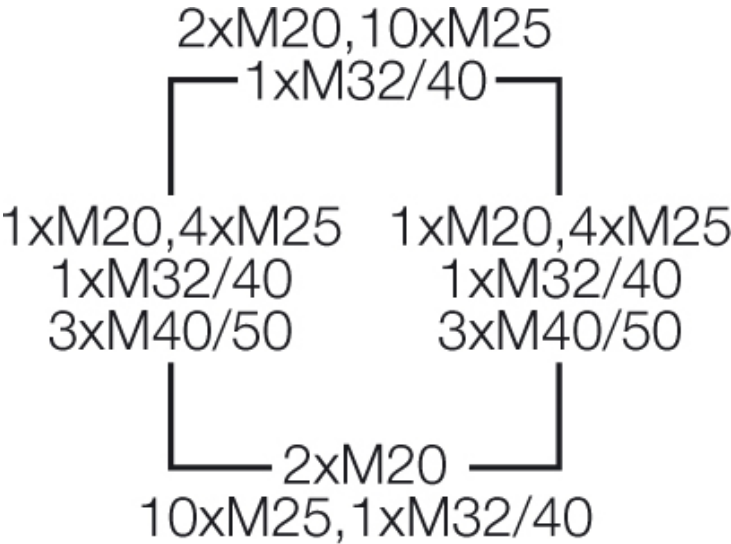
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Detail mass




Box walls



**Operating and ambient conditions**

Application area	Suitable for indoor installation and outdoor installation, protected against weather influences
Resistant to occasional cleaning procedures (direct jet)	Resistant to occasional cleaning procedures (direct jet) with high-pressure cleaner without additives, water pressure: max. 100 bar, water temperature: max. 80° C, distance => 0,15 m, in accordance with the requirements IP 69K, enclosure and cable glands at least IP 65
Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 25 °C
Relative humidity	50% at 40° C short-time 100% at 25° C

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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: 960 °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 60 754-2
Note:	For material properties see technical data.