


Cable junction boxes for normal environment and protected outdoor



**K 9105**

- 4-10 mm<sup>2</sup>, Cu 3~



IP ESM  
55

IP  
65

PS

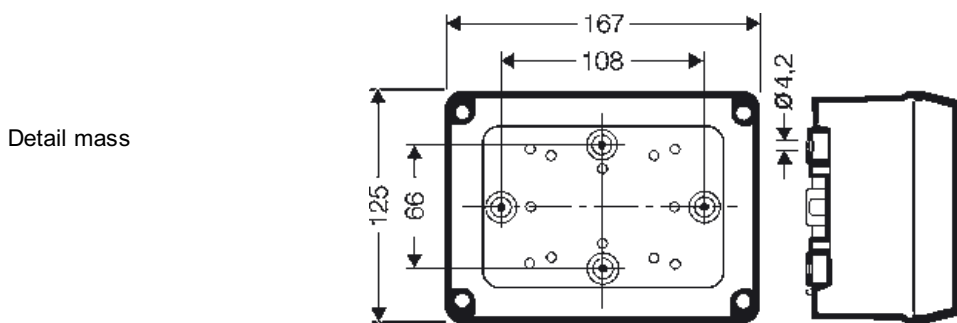
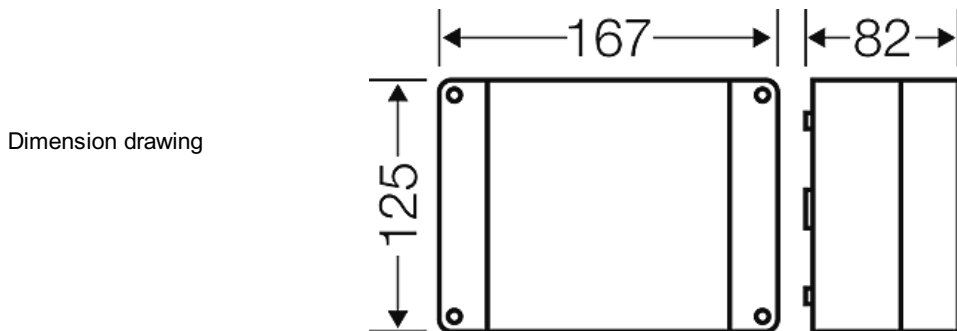
RAL  
7035




- with terminals
- 5-pole per pole 6 x 2.5 mm<sup>2</sup> sol, 4 x 4 mm<sup>2</sup> sol, 4 x 6 mm<sup>2</sup> sol, 4 x 10 mm<sup>2</sup> sol, 2 x 16 mm<sup>2</sup> s
- included cable entry: 3 ESM 32, sealing range Ø 9-23 mm
- for normal environment and protected outdoor
- colour: grey, RAL 7035

rated insulation voltage	AC/DC 690 V
current carrying capacity	63 A
tightening torque for terminal	2,0 Nm
Degree of protection:	IP 55 (ESM)
Degree of protection:	(refer to index cable entry systems) IP 65
Material:	PS polystyrene thermoplastic
width	167 mm
height:	125 mm
depth	82 mm
Weight	0,432 kg

Drawings





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box walls




6




2 x M 25/32




10



2 x M 20/25  
1 x M 25/32



14



3 x M 25/32

**Operating and ambient conditions**

Application area	Suitable for indoor installation and outdoor installation, protected against weather influences according to DIN VDE 0100 Part 737
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
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 60 695-2-11: - 650°C for boxes and cable glands - 850°C for parts of insulating material necessary to retain current carrying parts in position
Fire protection in the event of specific risks or hazards	Demands placed on electrical installations and devices in areas and facilities subject to fire risk, e.g. DIN VDE 0100 Part 482, official regulations, VdS directives Minimum requirements - Glow wire test to IEC 60 695-2-11: - 850°C for boxes and cable glands - 850°C for cavity wall installation - Use of fire resistant cables
Burning behaviour	Glow wire test IEC 60 695-2-11: 750° C UL Subject 94: V-2 flame resistant self-extinguishing
Degree of protection against mechanical load	IK07 (2 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 754-2
Note:	To material properties see technical data.