



## Cable junction boxes for normal environment and protected outdoor



**K 8105**

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



IP  
65

PS

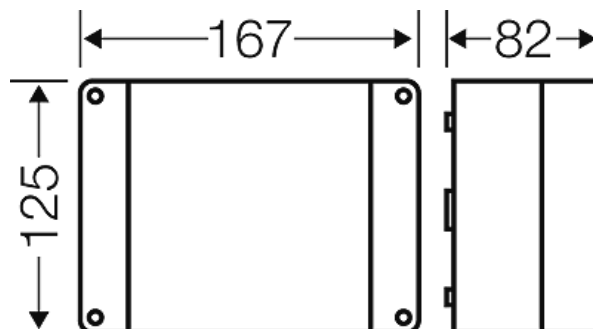
RAL  
7035

- 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
- box walls without knockouts
- wall surface can be drilled individually for cable entry max. M 32
- for normal environment and protected outdoor
- colour: grey, RAL 7035

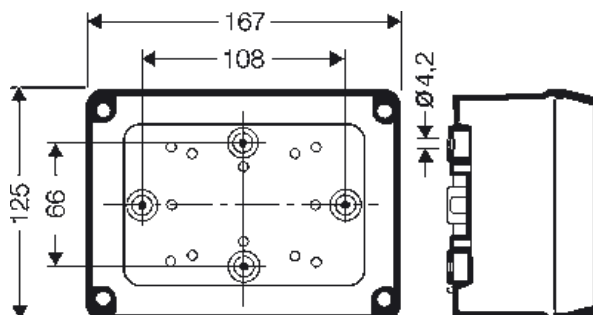
rated insulation voltage	AC/DC 690 V
current carrying capacity	63 A
tightening torque for terminal	2,0 Nm
wall thickness of the bottom part	2,8 mm
Degree of protection:	IP 65
Material:	PS polystyrene thermoplastic
width	167 mm
height:	125 mm
depth	82 mm
Weight	0,45 kg
in accordance with	IEC 60 670-22

## Drawings


Dimension drawing



Detail mass



## Cable junction boxes for normal environment and protected outdoor




**K 8105**

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

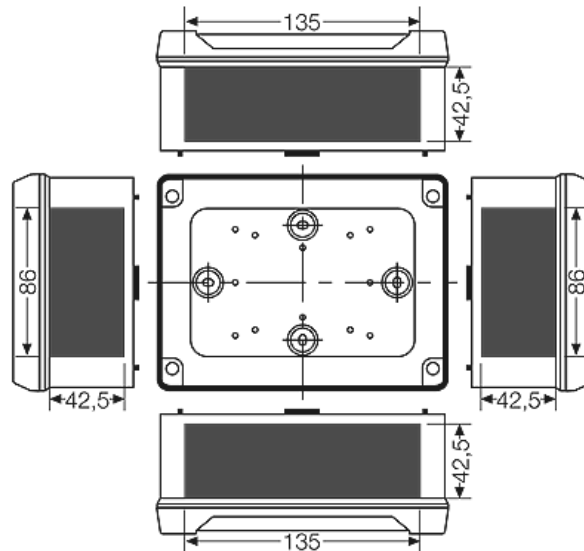
IP  
65

PS

RAL  
7035



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
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
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:	For material properties see technical data.