

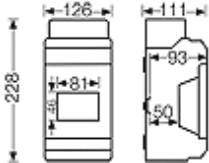


## KV PC 8104

circuit-breaker box  
 box walls without knockouts  
 insulated box for photovoltaic plants of up to AC 690 V /  
 DC 1000 V  
 without PE and N terminal

- for the installation of DIN rail equipment, top hat profile 35 mm
- with transparent lid, lead-sealable
- For locking device for hinged lid and sealing facility refer to accessories.
- with cable entry cover
- protective cover can be cut out
- suitable for outdoor installation, UV resistant

Dimension drawing



protection class	II
degree of protection:	IP 65
material:	thermoplastic
colour:	grey RAL 7035
height:	228 mm

### Operating and ambient conditions

#### Application area

The enclosures are suitable for outdoor installation - harsh environment and / or outdoor. The material is examined for UV resistance by the institute for plastics and thereby suitable for the outdoor installation during UV effect. However the climatic influences and effects on the equipment are to be considered. However, pay attention to the climatic effects on the equipment.

#### ambient temperature

Average value over 24 hours + 35° C  
 Maximum value + 40° C  
 Minimum value - 5° 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: 960° C  
 UL Subject 94 V-2  
 flame resistant 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 754-2  
 Supplementing references regarding outdoor installation - harsh environment and / or outdoor: - The top side of the boxes should be protected by a cover against weather influences such as rains, ice and snow. - Further on, also chemical influences have to be considered with the selection of the installation place - apart from the IP rating and climatic effects. - In order to keep the maximum permissible ambient temperature of the installed equipment as well as for the prevention from condensation additional measures as ventilation and/or heating may be necessary. To material properties see technical data.