



Dimension drawing



KV PC 8109

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-sealableFor locking device for hinged lid and sealing facility refer to accessories.
- with cable entry cover
- protective cover can be cut out ٠
- suitable for outdoor installation, UV resistant

protection class	II
degree of protection:	IP 65
material: colour:	thermoplastic grey RAL 7035
height:	238 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
ambient temperature	pay attention to the climatic effects on the equipment are to be considered. Therefore, 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 maximumpermissible ambient temperature of the installed equipment as well as for the prevention from condensaion additional measures as ventilation and/or heating may be nacessary. To material properties see technical data.