PV generator junction boxes

Mi PV 3311

- 6 x PV string for 1 x inverter input
- 2 x DC generator disconnect switch

- ready for connection
- 6 holder for fuses each + and -connection: 1.5-16 mm² Cu
- 2 x DC Generator disconnect switchUtilization category for switch disconnectors: DC-21A = Switching ohmic loads inclusively moderate overload
- connection: 6-35 mm², Cu
- lid fasteners for tool operation
- included cable entry: 12 x AKM 16, 2 x AKM 25
- with stainless steel external brackets
- material: PC (polycarbonate)
- protection class: II
- colour: grey, RAL 7035

rated voltage	$U_{OC\ STC}$= 1000 V d.c.
Rated current of the power switchgear and controlgear assembly	I_{nA} = 60 A
rated current of a circuit	I_{nc} = 10 A
RDF (Rated Diversity Factor)	1
degree of protection	IP 65
height	325 mm
width	450 mm
depth	170 mm
weight	5,489 kg
in accordance with	IEC 61 439-1

Drawings

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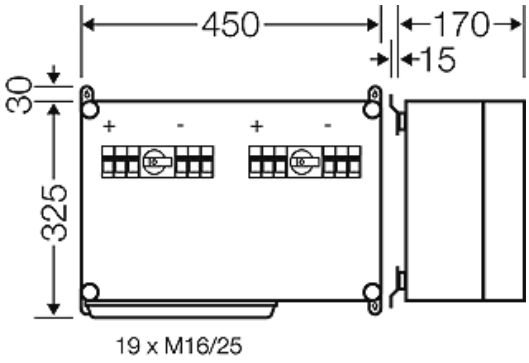
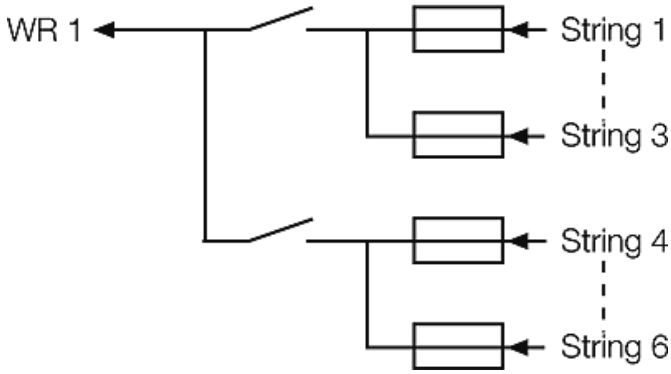
Dimension drawing





Operating and ambient conditions

Application area	Suitable for indoor installation and outdoor installation, protected against weather influences However, pay attention to the climatic effects on the installed equipment , for example, high or low ambient temperatures or formation of condensed water see technical information
Resistant to occasional cleaning procedures (direct jet)	Resistance to occasional cleaning procedures (direct jet) with high-pressure cleaner without cleaning additives, water pressure: max 100 bar, water temperature: Max. 80° C, distance => 0.15 m, in accordance with IP 69 requirements, single enclosure without lid equipment (no enclosure assembly), enclosure and cable glands at least IP 65.
Ambient temperature	Average value over 24 hours + 35 °C Maximum value + 40 °C Minimum value - 5 °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 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 60754-2
Note:	For material properties see technical data.