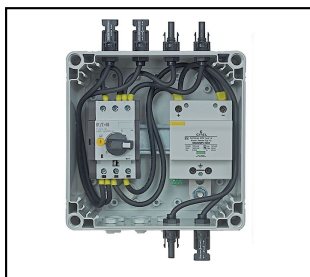


## Generators combiner boxes

### ■ GAK 101-MC4 Junction box PVGAK DIS50-1000-2ST-1MPP MC4

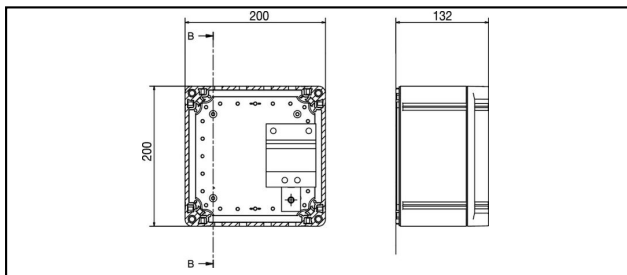


#### Characteristics

Generator boxes with preassembled interruptor and surge protection:

#### Legend

- a) type 1+2 GAK DIS 60 VGPVS-1000-2ST-1MPP
- b) type 1+2 GAK DIS 50 PVS-1000-2ST-1MPP
- c) type 1+2 GAK DIS 50 VGPVS-1000-2ST-1MPP
- d) type 2 GAK DIS 50 PV-1000-2ST-1MPP



Article-Nr.	E-Number	Typ/Type	V U <sub>C</sub>	kA I <sub>imp</sub>	kA I <sub>max</sub>	ns t <sub>A</sub>	kV U <sub>P</sub>	mm <sup>2</sup>		VE Emb.
296.050.701	969 111 954	T2	≤1200VDC	5	40	≤25	2.6	2.5 - 25	d)	1

## Technical Specifications: Junction box PVGAK DIS50-1000-2ST-1MPP MC4 GAK 101-MC4

Article No.	296.050.701
SPD type	T2
Number of poles	2
max. discharge current (I <sub>max</sub> )	40 kA
Nominal line voltage U <sub>n</sub> DC	1000 V
Impulse current [I <sub>imp</sub> ]_(10/350)	5 kA
Nominal discharge surge current (8/20)	15 kA
Voltage protection level [U <sub>p</sub> ]	2.6 kV
Operation voltage max. [U <sub>c</sub> ]	≤1200VDC
Follow current [I <sub>F</sub> ]	0 kA
Response time [t <sub>a</sub> ]	≤25
Short circuit resistance (I <sub>cw</sub> )	1 kA
Fault indication	mechanisch, Rot
Temperature range	-40 - 85
Total discharge current (8/20) (L N-PE)	60 kA
Material housing	Thermoplastik PEI UL-94-V0
Signaling on the device	Optic
Signaling contact	Yes
Connection cross section solid / stranded max.	1.5 mm <sup>2</sup>
Switching capacity signaling contact	250 V/0,5 A (AC) / - 30 V / 2 A (DC)
Energetically coordinated protective effect to the terminal	Yes
System configuration DC	Yes
Construction size	3 modular spacing
Nominal discharge current [I <sub>n</sub> ]	15/Pol
Integrated backup fuse	No
Nominal cross section conductor	2.5 - 25 mm <sup>2</sup>
Exhausting	No
Mounting method	DIN rail (top hat rail) 35 mm
Degree of protection (IP)	IP20
<b>Casing</b>	
degree of protection	IP65
number of modules	8
contract rail	DIN-Schiene
String / MPP	2ST - 1MPP
inputs PG / MC4	MC 4
outputs PG / MC4	MC 4
<b>Switch</b>	
Switching capacity voltage max. U <sub>oc</sub> Max.	1000 V
Switching current max. I <sub>sc</sub> Max.	30 A
Cross-sectional area	6 mm <sup>2</sup>
<b>Standards</b>	
Test standards USA	UL 1449 ed.3
Test standards Europe	EN 50539-11
Test standards France	UTE C61-740-51
comment	d)
<b>Commercial specification</b>	
Customs number	85372000
country of origin	CH
<b>Texte</b>	
comment	d)