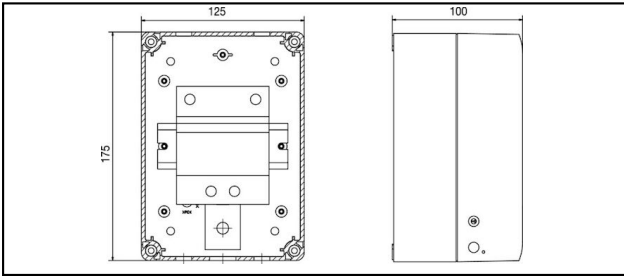


Generators combiner boxes

■ GAK 100-MC4 Junction box PV GAK 50VG-1000-1ST-1MPP



Characteristics

Generator boxes with preassembled surge protection:

Legend

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

Article-Nr.	E-Number	Typ/Type	V U _C	kA I _{imp}	kA I _{max}	ns t _A	kV U _P	mm ²		VE Emb.
296.050.401	969 111 774	T1 / T2	≤1200VDC	6.25	40	≤25	2.8	2.5 - 25	c)	1

Technical Specifications: Junction box PV GAK 50VG-1000-1ST-1MPP GAK 100-MC4

Article No.	296.050.401
SPD type	T1 / T2
Number of poles	2
max. discharge current (I _{max})	40 kA
Nominal line voltage U _n DC	1000 V
Impulse current [I _{imp}]_(10/350)	6.25 kA
Discharge current max. (8/20) μs [I _{max}]	60 kA
Voltage protection level [U _p]	2.8 kV
Operation voltage max. [U _c]	≤1200VDC
Operating current [I _c]	0 kA
Follow current [I _F]	0 kA
follow current extinguishing capability [I _{fi}]	Unendlich
Response time [t _a]	≤25
Short circuit resistance (I _{cw})	10 kA
Fault indication	Mechanisch, Rot
Temperature range	-40 - 85
Signaling on the device	Optic
Signaling contact	Yes
Connection cross section solid / stranded max.	1.5 mm ²
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 _n]	15/Pol
Nominal cross section conductor	2.5 - 25
Integrated backup fuse	No
Exhausting	No
Mounting method	DIN rail (top hat rail) 35 mm
Degree of protection (IP)	IP20
Casing	
degree of protection	IP65
number of modules	5
contract rail	DIN-Schiene
String / MPP	1ST-1MPP
inputs PG / MC4	MC 4
outputs PG / MC4	MC 4
Standards	
Test standards USA	UL 1449 ed.3
Test standards Europe	EN 50539-11
Test standards France	UTE C61-740-51
Homologation	VDE, ÖVE und UL
comment	
comment	c)
Commercial specification	
Customs number	85372000
country of origin	CH
Texte	
comment	c)
Logistic specification	
VPE Weight	1.064 kg