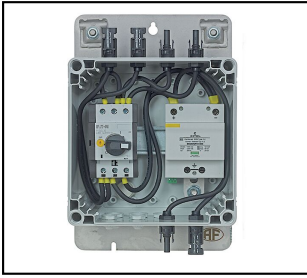


Generators combiner boxes

GAK 111-MC4 Junction box PVGAK+DIS60VG-1000-2ST-1MPP MC4

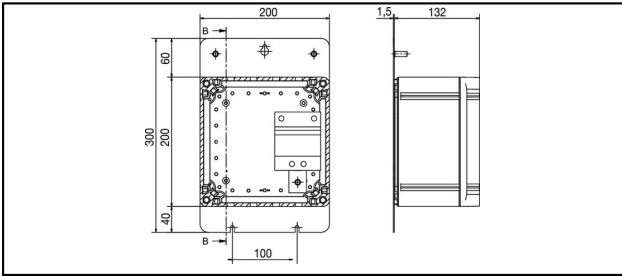


Characteristics

Generator boxes with preassembled surge protection and grounding plate:

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 _C	kA I _{imp}	kA I _{max}	ns t _A	kV U _P	mm ²		VE Emb.
296.050.351	969 112 094	T1 / T2	≤1200VDC	12.5	40	≤25	2.8	6 - 35	a)	1



Technical Specifications: Junction box PVGAK+DIS60VG-1000-2ST-1MPP MC4 GAK 111-MC4

Article No.	296.050.351
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)	12.5 kA
Discharge current max. (8/20) μs [I _{max}]	40 kA
Nominal discharge surge current (8/20)	20 kA
Voltage protection level [U _p]	2.8 kV
Protection level max. (at 5kA)	2.1 kV
Protection level max. (at 12.5kA)	2.3 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})	25 kA
Fault indication	Mechanisch, Rot
Temperature range	-40 - 85
Degree of protection	IP20
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	4 modular spacing
Nominal discharge current [I _n]	20/Pol
Nominal cross section conductor	6 - 35 mm ²
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	8
contract rail	DIN-Schiene
String / MPP	2ST-1MPP
inputs PG / MC4	MC 4
outputs PG / MC4	MC 4
Ground base plate	Yes
Switch	
Switching capacity voltage max. U _{oc} Max.	1000 V
Switching current max. I _{sc} Max.	30 A
Cross-sectional area	6 mm ²
Standards	
Test standards USA	UL 1449 ed.3
Test standards Europe	FprEN 50539-11
Test standards France	UTE C61-740-51
Homologation	VDE, ÖVE und UL
comment	a)
Commercial specification	
Customs number	85372000
country of origin	CH
Texte	
comment	a)
Logistic specification	
VPE Weight	3.1 kg