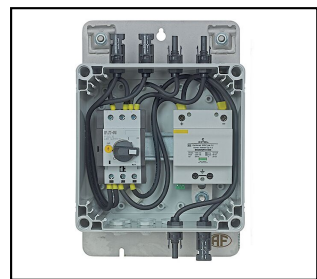


Generators combiner boxes

GAK 111-MC4 Junction box PV GAK+DIS 50 PVS-1000-2ST-1MPP



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		
296.050.951	969 112 204	T1 / T2	≤1200VDC	6.25	40	≤25	2.6	2.5 - 25	b)	1

Technical Specifications: Junction box PV GAK+DIS 50 PVS-1000-2ST-1MPP GAK 111-MC4

Article No.	296.050.951
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
Nominal discharge surge current (8/20)	15 kA
Voltage protection level [U _p]	2.6 kV
Operation voltage max. [U _c]	≤1200VDC
Follow current [I _F]	0 kA
Response time [t _a]	≤25
Short circuit resistance (I _{cw})	1 kA
Fault indication	mechanisch, Rot
Total discharge current (8/20) (L N-PE)	60 kA
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 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	EN 50539-11
Test standards France	UTE C61-740-51
comment	
comment	b)
Commercial specification	
Customs number	85372000
country of origin	CH
Texte	
comment	b)