

Generators combiner boxes

■ **GAK 210-MC4 b** Junction box PV GAK+50VG-1000-4ST-2MPP MC4



Characteristics
Generator boxes with preassembled surge protection:

- Legend**
- a) type 1+2 GAK + 60 VGPVS-1000-4ST-2MPP
 - b) type 1+2 GAK + 50 PVS-1000-4ST-2MPP
 - c) type 1+2 GAK + 50 VGPVS-1000-4ST-2MPP
 - d) type 2 GAK + 50 PV-1000-4ST-2MPP
 - e) type 1+2 GAK + 60 VGPVS-1000-3ST-1MPP/1ST-1MPP
 - f) type 1+2 GAK + 50 PVS-1000-3ST-1MPP/1ST-1MPP
 - g) type 1+2 GAK + 50 VGPVS-1000-3ST-1MPP/1ST-1MPP
 - h) type 2 GAK + 50PV-1000-3ST-1MPP/1ST-1MPP

Article-Nr.	E-Number		V U_C	kA I_{imp}	kA I_{max}	ns t_A	kV U_P	mm² 		
296.050.450	969 112 364	T1 / T2	≤1200VDC	6.25	40	≤25	2.8	2.5 - 25	c)	1

Technical Specifications: Junction box PV GAK+50VG-1000-4ST-2MPP MC4 GAK 210-MC4 b

Article No.	296.050.450
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) μ s [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
Material housing	Thermoplastik PEI UL-94-V0
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
Integrated backup fuse	No
Nominal cross section conductor	2.5 - 25
Exhausting	No
Mounting method	DIN rail (top hat rail) 35 mm
Degree of protection (IP)	IP20
Casing	
degree of protection	IP65
number of modules	20
contract rail	DIN-Schiene
String / MPP	4ST-2MPP
inputs PG / MC4	MC 4
outputs PG / MC4	MC 4
Ground base plate	Yes
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	4.95 kg