

Generators combiner boxes

■ **GAK 210-MC4 b** Junction box PV GAK+50 PVS-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 		
296.050.850	969 112 464	T1 / T2	≤1200VDC	6.25	40	≤25	2.6	2.5 - 25	b)	1

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

Article No.	296.050.850
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
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 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 mm ²
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
comment	
comment	b)
Commercial specification	
Customs number	85372000
country of origin	CH
Texte	
comment	b)