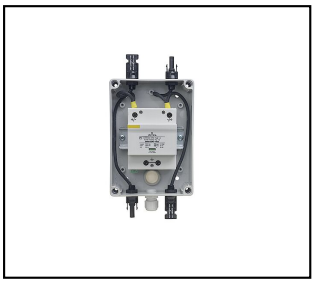
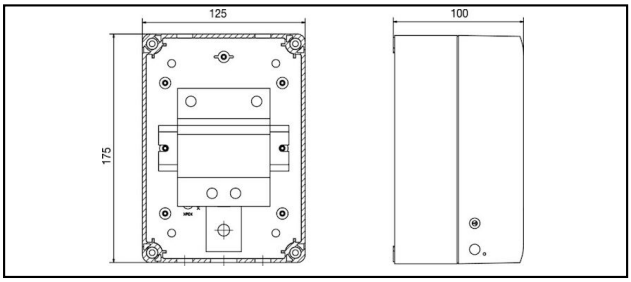
Generators combiner boxes

GAK 100-MC4 Junction box PVGAK 50-1000-1ST-1MPP MC4





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	mm²		VE Emb
296.050.601	969 111 884	T2	≤1200VDC	5	40	≤25	2.6	2.5 - 25	d)	1

Technical Specifications: **Junction box PVGAK 50-1000-1ST-1MPP MC4 GAK 100-MC4**

Article No.	296.050.601
SPD type	T2
Number of poles	2
max. discharge current (Imax)	40 kA
Nominal line voltage Un DC	1000 V
Impulse current [Iimp]_(10/350)	5 kA
Nominal discharge surge current (8/20)	15 kA
Voltage protection level [Up]	2.6 kV
Operation voltage max. [Uc]	≤1200VDC
Follow current [IF]	0 kA
Response time [ta]	≤25
Short circuit resistance (Icw)	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 mm²
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 [In]	15/Pol
Nominal cross section conductor	2.5 - 25 mm²
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
comment	d)
Commercial specification	
Customs number	85372000
country of origin	CH
Texte	
comment	d)
Logistic specification	
VPE Weight	1.137 kg