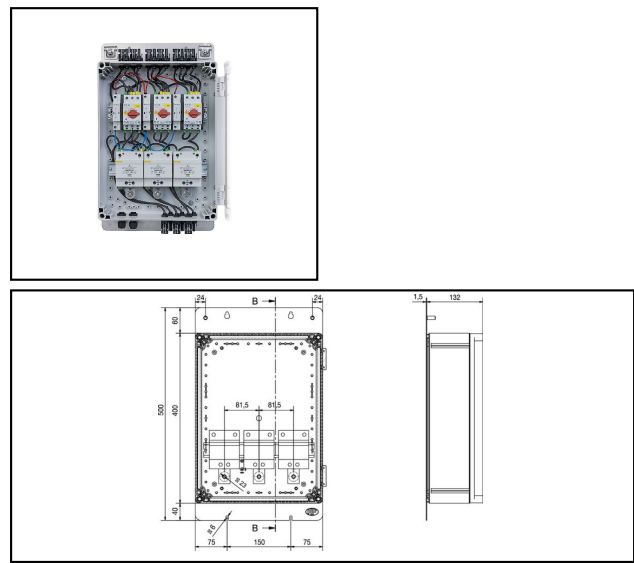


Generators combiner boxes

GAK 313-MC4 Junction box PV GAK+DIS 50 PVS-1000-6ST-3MPP MC4



Characteristics
Generator boxes with preassembled surge protection and grounding plate:

- Legend**
- a) type 1+2 GAK + DIS 60 VGPVS-1000-6ST-3MPP
 - b) type 1+2 GAK + DIS 50 PVS-1000-6ST-3MPP
 - c) type 1+2 GAK + DIS 50 VGPVS-1000-6ST-3MPP
 - d) type 2 GAK + DIS 50 PV-1000-6ST-3MPP

Article-Nr.	E-Number	Typ/Type	V U _C	kA I _{imp}	kA I _{max}	ns t _A	kV U _P	mm ²		
296.050.953	969 112 494	T1 / T2	≤1200VDC	6.25	40	≤25	2.6	2.5 - 25	b)	1

Technical Specifications: Junction box PV GAK+DIS 50 PVS-1000-6ST-3MPP MC4 GAK 313-MC4

Article No.	296.050.953
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	28
contract rail	DIN-Schiene
String / MPP	6ST-3MPP
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)