

Category IEC / EN:	Type 1+2 PV surge protection device (SPD)
Location of use:	String box, Inverter
Protection modes:	(+)-PE, (-)-PE, (+)-(-)
Complies with:	EN 61643-31:2019, IEC 61643-31:2018
Pluggable module	

Technical data: PV B PRO 12,5/1100		
Maximum continuos operating voltage(PV)	U_{CPV}	1100V DC
Impulse discharge current (10/350)	I_{imp}	6,25 kA
Specific energy	W/R	9.77 kJ/Ω
Charge	Q	3.125As
Nominal discharge current (8/20)	I_n	20 kA
Max.discharge current (8/20)	I_{max}	40 kA
Total discharge current (10/350)	I_{TOTAL}	6,25 kA
Total discharge current (8/20)	I_{TOTAL}	50 kA
Voltage protection level (+)-PE, (-)-PE	U_p	3,8 kV
Voltage protection level (+)-(-)	U_p	3,8 kV
Response time	t_a	< 25 ns
Short-circuit current rating	I_{SCPV}	1000 A
Operating temperature range	T_u	-40 °C ... +80 °C
Operating state / fault indication		green / red
Number of ports		1
Mechnical characteristics		
Min.cross section for terminals	mm²	1,5 mm² solid wire
Max.cross section for terminals	mm²	25 mm² flex. Wire/35 mm² solid wire
Mounting		indoor/35 mm DIN rails acc. to EN 60715
Enclousure material/flammability rate		thermoplastic, gray, UL 94 V-0
Degree of protection		IP 20
Type of remote signalling contact		changeover contact
Switching capacity (a.c.)		250 V / 0.5 A
Switching capacity (d.c.)		250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A

Order informations	Order Code	Weight
PV B PRO 12,5/1100	600046	466 g
PV B PRO 12,5/1100-R (with remote contact)	600047	469 g
PV B PRO 12,5/1100-M (module)	600048	97 g



