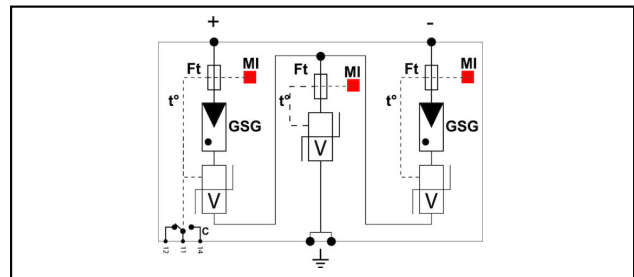
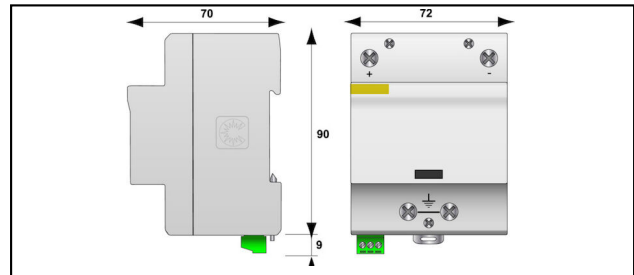


Photovoltaics

■ DS 60 VGPVS Photovoltaics surge protection



- Characteristics**
- Surge protector photovoltaic type 1+2
 - 10 years warranty
 - $I_{imp} = 12.5\text{kA/pole}$ ($10/350\mu\text{s}$)
 - internal disconnection, status indicator
 - follow and operating current: none
 - remote signaling

Article-Nr.	E-Number	 Typ/Type	 Yes	 kA I_{imp}	 kA I_{max}	 V U_C	 ns t_A	 kV U_P		
296.045.973	808 486 300	T1 / T2	Yes	12.5	40	$\leq 1200\text{VDC}$	0	2.8		1

Technical Specifications: Photovoltaics surge protection DS 60 VGPVS

Article No.	296.045.973
Operation voltage max. [Uc]	≤1200VDC
SPD type	T1 / T2
Number of poles	2
max. discharge current (Imax)	40 kA
Nominal line voltage Un DC	1000 V
Impulse current [Iimp]_(10/350)	12.5 kA
Nominal cross section conductor	6 - 35 mm ²
Discharge current max. (8/20) μs [Imax]	40 kA
Nominal discharge surge current (8/20)	20 kA
Voltage protection level [Up]	2.8 kV
Protection level max. (at 5kA)	2.1 kV
Protection level max. (at 12.5kA)	2.3 kV
Operating current [Ic]	0 kA
Follow current [IF]	0 kA
follow current extinguishing capability [Ifi]	Unendlich
Response time [ta]	0
Short circuit resistance (Icw)	25 kA
Fault indication	Mechanisch, Rot
Temperature range	-40 - 85 °C
Degree of protection	IP20
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	4 modular spacing
Nominal discharge current [In]	20/Pol
Integrated backup fuse	No
Exhausting	No
Number of poles	2
Mounting method	DIN rail (top hat rail) 35 mm
Degree of protection (IP)	IP20
Standards	
Homologation	VDE, ÖVE und UL
Test standards USA	UL 1449 ed.3
Test standards Europe	FprEN 50539-11
Test standards France	UTE C61-740-51
Commercial specification	
Customs number	85363000
country of origin	undefined
Logistic specification	
VPE Weight	0.568 kg