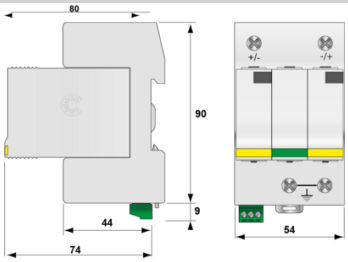
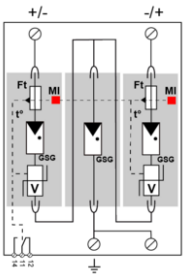
Type 2 PV surge protector

DS50VGPVS-1000



- Type 2 surge protector
- 1000 Vdc
- No leakAge, no operating currents
- Improved life expectancy
- In/Imax: 20 / 40 kA
- Pluggable module
- Remote signaling
- IEC 61643-31, EN 61643-31, EN 50539-11 compliance
- UL1449 ed.5





V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
SPD type		2
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1200 Vdc
Residual Current Leakage current to Ground	Ipe	None
PV Permanent Operating current Current consumption at Ucpv	Icpv	None
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	40 kA
Current withstand short circuit PV	Iscpv	1000 A
Connection mode(s)		+/-/PE
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
Connection to Network		By screw terminals: 4-25mm²
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM50VGPVS-1000
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Fuses		Without
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification		UL
Part number		
480361		