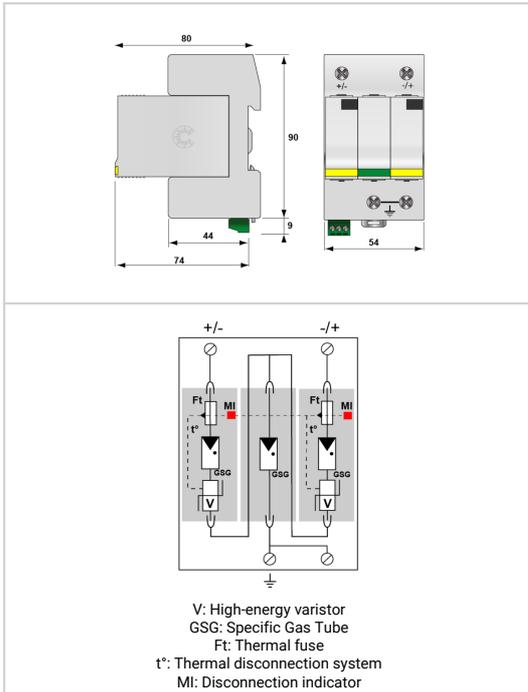


- ✦ Type 2 surge protector for photovoltaic
- ✦ VG technology
- ✦ 600 Vdc
- ✦ No leakage, no operating currents
- ✦ Improved life expectancy
- ✦ In/Imax : 15 / 40 kA
- ✦ Common/Differential mode protection
- ✦ Remote signaling
- ✦ IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



Electrical Characteristics			
SPD type	IEC		2
Network			PV 500 Vdc
Nominal PV voltage	Uocstc		600 Vdc
Max. PV operating voltage	Ucpv		720 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		15 kA
Max. discharge current max. withstand @ 8/20 μs by pole	Imax		40 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total		60 kA
Current withstand short circuit PV	Iscpv		15 000 A
Connection mode(s)			+/-/PE
Protection mode(s)			Common/Differential mode
Protection level +/- @ In (8/20μs)	Up		3.4 kV
Protection level +/-PE (-/PE) @ In (8/20μs)	Up		2.2 kV
Mechanical Characteristics			
Technology			VG Technology (MOV+GSG)
Connection to Network			By screw terminals: 2.5-25mm <sup>2</sup>
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			2 mechanical indicators
Spare module(s)			DSM50VGPV-600G/51
Remote signaling of disconnection			Option DS50VGPVS-600G/51 - output on changeover contact
Dimensions			See diagram
Disconnectors			
Thermal disconnector			Internal
Back-up protection device			Without
Standards			
Standards compliance			IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Certification			
Part number			
			481401