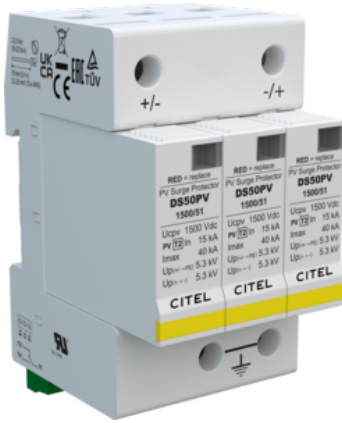




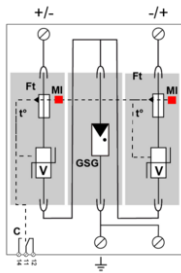
Type 2 PV surge protector

CITEL

DS50PVS- 600G/51



- ↳ Type 2 surge protector for PV
- ↳ I_n : 15kA / I_{max} : 40kA
- ↳ Pluggable
- ↳ Remote signaling
- ↳ UL1149 ed.5 certified
- ↳ EN 61643-31, NF EN 50539-11 compliant



V: High-energy varistor
 GSG: Specific Gas Tube
 Ft: Thermal fuse
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics		
Network		PV 600 Vdc
Nominal PV voltage	Uocstc	500 Vdc
Max. PV operating voltage	Ucpv	600 Vdc
Residual Current		
Leakage current to Ground	Ipe	None
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current	I_n	15 kA
15 x 8/20 μ s impulses		
Max. discharge current	I_{max}	40 kA
max. withstand @ 8/20 μ s by pole		
Total Maximum discharge current	I_{max} Total	60 kA
max. total withstand @ 8/20 μ s		
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/-	Up	2.4 kV
@ I_n (8/20 μ s)		
Protection level +/-PE (-/PE)	Up	1.5 kV
@ I_n (8/20 μ s)		
Mechanical Characteristics		
Technology		MOV+GDT
Connection to Network		By screw terminals: 2.5-25mm ²
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 - Red/Green
Spare module(s)		DSM50PV-500G/51
Remote signaling of disconnection		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		480491

