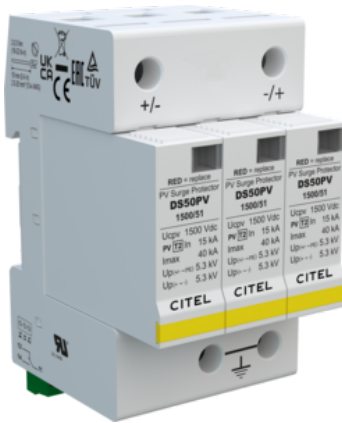




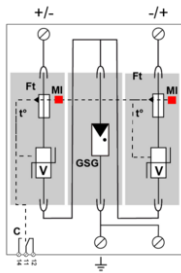
Type 2 PV surge protector

CITEL

DS50PVS- 600G/51



- ↳ Type 2 surge protector for PV
- ↳ In : 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	U _{ocstc}	500 Vdc
Max. PV operating voltage	U _{cpv}	600 Vdc
Residual Current		
Leakage current to Ground	I _{pe}	None
PV Permanent Operating current		
Current consumption at U _{cpv}	I _{cpv}	< 0.1 mA
Follow current	I _f	None
Nominal discharge current		
15 x 8/20 μs impulses	I _n	15 kA
Max. discharge current		
max. withstand @ 8/20 μs by pole	I _{max}	40 kA
Total Maximum discharge current		
max. total withstand @ 8/20 μs	I _{max Total}	60 kA
Current withstand short circuit PV	I _{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/-		
@ I _n (8/20μs)	U _p	2.4 kV
Protection level +/-PE (-/PE)		
@ I _n (8/20μs)	U _p	1.5 kV

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	T _u	-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

