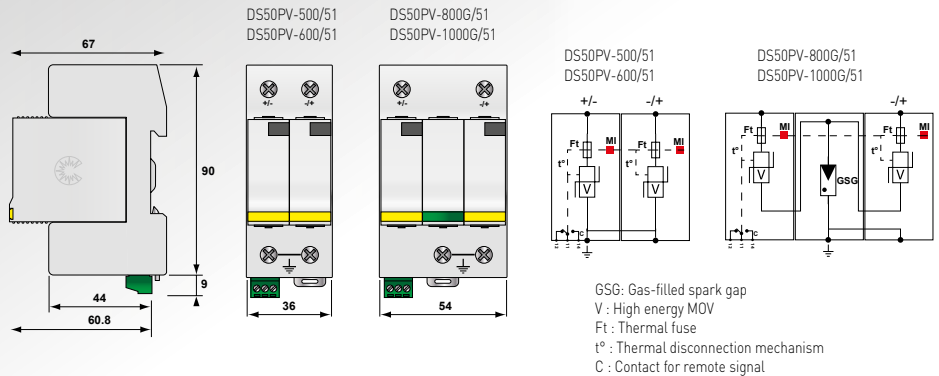
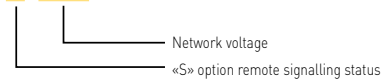


Type 2 PV Surge Protector DS50PV/51 series



- Type 2 Surge Protector for Photovoltaic
- In : 15 kA
- I_{max} : 40 kA
- Pluggable module
- Remote Signaling (option)
- EN 50539-11 compliance
- VDE and OVE approved

DS50PVS-xxxG/51



Characteristics

CITEL Model		DS50PV-500/51	DS50PV-600/51	DS50PV-800G/51	DS50PV-1000G/51
Description		Type 2 PV surge protector - 500 Vdc	Type 2 PV surge protector - 600 Vdc	Type 2 PV surge protector - 800 Vdc	Type 2 PV surge protector - 1000 Vdc
Network	Uocstc	PV network 500 Vdc	PV network 600 Vdc	PV network 800 Vdc	PV network 1000 Vdc
Connection mode		+/-/PE	+/-/PE	+/-/PE	+/-/PE
Protection mode(s)		CM	CM	CM/DM	CM/DM
Max. PV operating voltage	Ucpv	600 Vdc	720 Vdc	960 Vdc	1200 Vdc
Current withstand short circuit PV	Iscpv	1000 A	1000 A	1000 A	1000 A
Permanente operating current - Leakage current at Ucpv	Icpv	< 0.1 mA	< 0.1 mA	< 0.1 mA	<0.1 mA
Residual current - Leakage current at Ucpv	Ipe	< 0.1 mA	< 0.1 mA	None	None
Nominal discharge current - 15 x 8/20 µs impulses	In	15 kA	15 kA	15 kA	15 kA
Max. discharge current - max. withstand @ 8/20 µs by pole	I _{max}	40 kA	40 kA	40 kA	40 kA
Total Maximal discharge current - max. total withstand @ 8/20 µs	I _{total}	60 kA	60 kA	60 kA	60 kA
Protection level CM/DM (at In @ 8/20µs) and @ 6kV (1.2/50µs)	Up	2.2 kV	2.8 kV	2 / 3.6 kV	2.6 / 4.6 kV
Current withstand short circuit PV	Iscpv	1000 A	1000 A	1000 A	1000 A
Associated disconnectors					
Thermal disconnector		internal			
Fuses		without			
Mechanical characteristics					
Dimensions		see diagram			
Connection to Network		Screw terminals: 2.5-25mm ²			
Disconnection indicator		2 mechanical indicators			
Remote signaling of disconnection		Option DS50PVS-500/51 - output on changeover contact	Option DS50PVS-600/51 - output on changeover contact	Option DS50PVS-800G/51 - output on changeover contact	Option DS50PVS-1000G/51 - output on changeover contact
Mounting		Symmetrical rail 35 mm (EN60715)			
Operating temperature		-40/+85°C			
Protection rating		IP20			
Housing material		Thermoplastic UL94-V0			
Standards compliance		EN 50539-11			
Certification		EAC	EAC	EAC	VDE / OVE / EAC
Part number		480121	480421	480281	480381

*) MC = Common mode (+/PE or -/PE) - MD = Differential mode (+/-)

