



CITEL

DC power surge protector

DDC50-21Y-1500



- DC power Type 2 SPD
- For Energy Storage/EV Charging
- In/Imax: 20/50 kA
- Pluggable modules
- Remote signaling (option)
- prIEC 61643-41 compliance



	Electrical Characteristics	
	SPD type	IEC 2
<p>V: High-energy varistor Ft: Thermal fuse t: Thermal disconnection system MI: Disconnection Indicator</p>	Nominal DC voltage	Un-dc 1200 Vdc
	Max. DC operating voltage	Uc 1500 Vdc
	Residual Current <i>Leakage current to Ground</i>	Ipe < 0.2 mA
	Nominal discharge current <i>15 x 8/20 μs impulses</i>	In 20 kA
	Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax 50 kA
	Impulse current by pole <i>max. withstand 10/350μs by pole</i>	Iimp 4 kA
	Protection level +/- <i>@ In (8/20μs)</i>	Up 5.1 kV
	Protection level +/-PE (-/PE) <i>@ In (8/20μs)</i>	Up 5.1 kV
	Admissible short-circuit current	Iscrr 100 000 A
	Mechanical Characteristics	
Connection to Network	By screw terminals: 2.5-25 mm ² (35 mm ² rigid)	
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 from DC network	
Disconnection indicator	1 mechanical indicator by pole - Red/Green	
Spare module(s)	MDDC50-1500	
Remote signaling of disconnection	option DDC50S-21Y-1500: output on changeover contact	
Dimensions	See diagram - 3 TE (EN43880)	
Weight	0.345 kg	
Disconnectors		
Thermal disconnector	Internal	
Back-up protection device	Fuse assembly: SFD50S-10-1500DC /or 50 A min. (Iscrr 100 kA) - 125 A max. (Iscrr 50 kA) - gBat Fuses	
Standards		
Standards compliance	prIEC 61443-41 - IEC61643-11	
Part number		
828511653		

