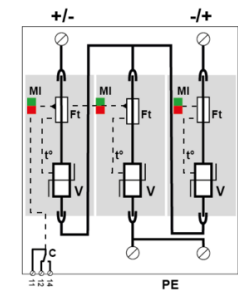
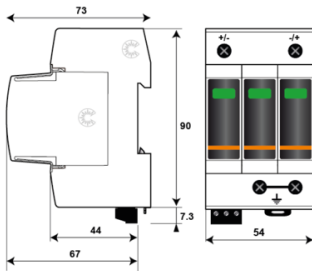


DDC50S-21Y-500



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



V: High-energy varistor
 Ft: Thermal fuse
 t^o: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics

SPD type (following IEC tests)	2
Nominal DC voltage	Un-dc 450 Vdc
Max. DC operating voltage	Uc 500 Vdc
Residual Current (Leakage current to Ground)	Ipe < 0.1 mA
Nominal discharge current (15 x 8/20 μs impulses)	In 20 kA
Max. discharge current (max. withstand @ 8/20 μs by pole)	Imax 50 kA
Impulse current by pole (max. withstand 10/350μs by pole)	Iimp 4 kA
Protection level +/- (@ In (8/20μs))	Up 2.1 kV
Protection level +/-PE (-/PE)(@ In (8/20μs))	Up 2.1 kV
Admissible short-circuit current	Iscrr 100 000 A

Mechanical Characteristics

Connection to Network	by screw terminals: 2.5-25 mm ²
Pluggable	Yes
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94-V0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from network
Disconnection indicator	1 mechanical indicator by pole - Red/Green
Spare module(s)	MDDC50-500
Remote signaling of disconnection	output on changeover contact
Wiring for remote signaling	1.5 mm ² max.
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)
Dimensions	See diagram - 3 TE (EN43880)
Weight	0.296 kg

Disconnectors

Thermal disconnector	Internal
Fuses	50 A min. (Iscrr 100 kA) - 125 A max. (Iscrr 50 kA) - gBat Fuses

Standards

Standards compliance	prIEC 61443-41 - IEC61643-11
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Part number

828511263

