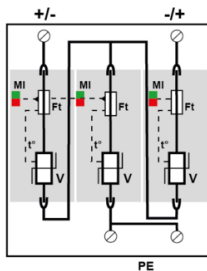
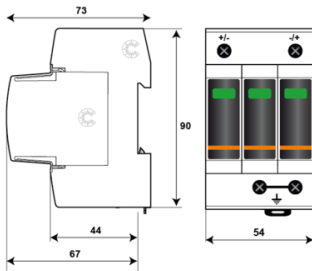


DDC50-21Y-1500



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



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

Electrical Characteristics

SPD type (following IEC tests)		2
Nominal DC voltage	Un-dc	1200 Vdc
Max. DC operating voltage	Uc	1500 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	5 kV
Protection level +/-PE (-/PE)(@ In (8/20µs))	Up	5 kV
Admissible short-circuit current	Iscsr	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)		MDDC50-1500
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
Fuses		50 A min. (Iscsr 100 kA) - 125 A max. (Iscsr 50 kA) - gBat Fuses

Standards

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

828511653

