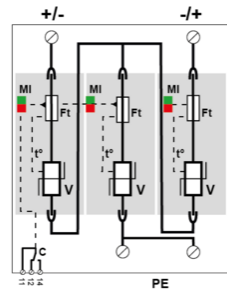
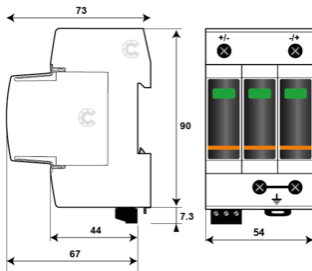


DDC50S-21Y-1200



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



V: Varistor
Ft: Thermal fuse
t*: Thermal disconnection system
C: Remote signal contact

Electrical Characteristics

SPD type	2
Nominal DC voltage	Un-dc 1000 Vdc
Max. DC operating voltage	Uc 1200 Vdc
Residual Current Leakage current to Ground	Ipe < 0.1 mA
Nominal discharge current 15 x 8/20 μ s impulses	In 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	Imax 50 kA
Impulse current by pole max. withstand 10/350 μ s by pole	Iimp 4 kA
Protection level +/-@ In (8/20 μ s)	Up 3.6 kV
Protection level +/-PE (-/PE)@ In (8/20 μ s)	Up 3.6 kV
Admissible short-circuit current	Iscrr 100 000 A

Mechanical Characteristics

Connection to Network	By screw terminals: 2.5-25mm ²
Pluggable	Yes
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)	MDDC50-1200
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)

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

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