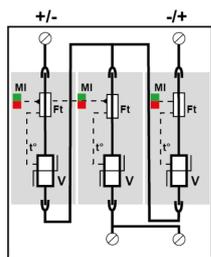
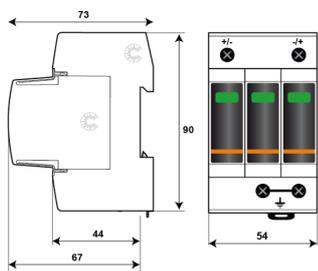




- ✦ DC power Type 2 SPD
- ✦ For Energy Storage/EV Charging
- ✦ In/Imax: 20/50 kA
- ✦ Pluggable modules
- ✦ Remote signaling (option)
- ✦ prIEC 61643-41 compliance



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

Electrical Characteristics

SPD type	IEC	2
Nominal DC voltage	Un-dc	1000 Vdc
Max. DC operating voltage	Uc	1200 Vdc
Residual Current Leakage current to Ground	Ipe	< 0.2 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	3.6 kV
Protection level +/-PE (-/PE) @ In (8/20μs)	Up	3.6 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)		MDDC50-1200
Remote signaling of disconnection		option DDC50S-21Y-1200: output on changeover contact
Dimensions		See diagram - 3 TE (EN43880)

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
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Part number

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