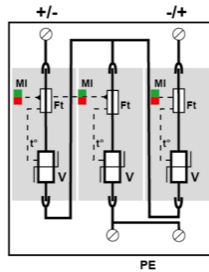
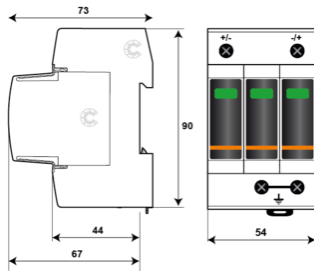


DDC50-21Y-800



- 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	2
Nominal DC voltage	Un-dc 650 Vdc
Max. DC operating voltage	Uc 800 Vdc
Residual Current	
Leakage current to Ground	Ipe < 0.1 mA
Nominal discharge current	In 20 kA
15 x 8/20 μ s impulses	
Max. discharge current	Imax 50 kA
max. withstand @ 8/20 μ s by pole	
Impulse current by pole	Iimp 4 kA
max. withstand 10/350 μ s by pole	
Protection level +/-	Up 2.5 kV
@ In (8/20 μ s)	
Protection level +/-PE (-/PE)	Up 2.5 kV
@ In (8/20 μ s)	
Admissible short-circuit current	Iscrr 100 000 A

Mechanical Characteristics

Connection to Network	By screw terminals: 2.5-25mm ²
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)	MDDC50-800
Remote signaling of disconnection	option DDC50S-21Y-800: output on changeover contact
Dimensions	See diagram - 3 TE (EN43880)
Weight	0.304 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
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Part number

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