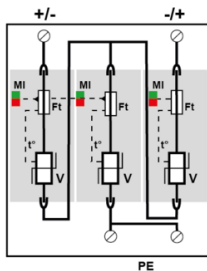
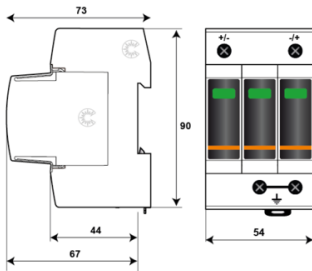


DDC50-21Y-800



- ↳ 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 (following IEC tests)	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 (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 2.5 kV
Protection level +/-PE (-/PE)(@ In (8/20µs))	Up 2.5 kV
Admissible short-circuit current	Iscrcr 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)	MDDC50-800
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
Fuses	50 A min. (Iscrcr 100 kA) - 125 A max. (Iscrcr 50 kA) - gBat Fuses
Standards	
Standards compliance	prIEC 61443-41 - IEC61643-11
Part number	
828511353	

