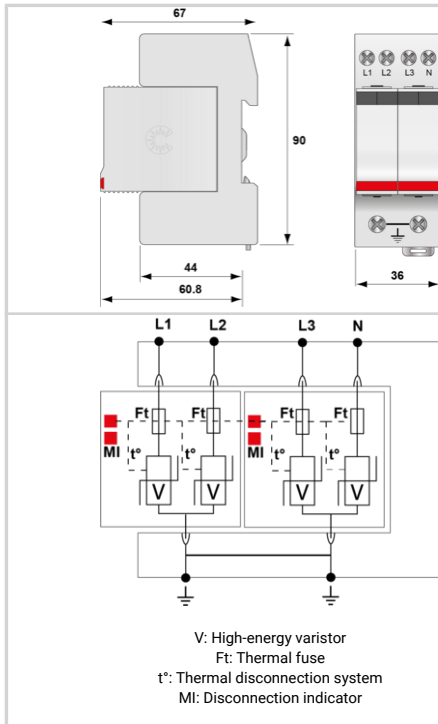


DS440-120



- › Compact 3-Phase Type 2 surge protector
- › I_n : 20 kA
- › I_{max} : 40 kA
- › Common mode
- › Pluggable module
- › Remote Signaling contact option
- › EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics

SPD type	2
Network	120/208 V 3-phase
AC system	TN
Nominal line voltage	U_n 120 Vac
Max. AC operating voltage	U_c 150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 230 Vac disconnection
Residual Current Leakage current to Ground	I_{pe} < 0.5 mA
Follow current	I_f None
Nominal discharge current 15 x 8/20 μ s impulses	I_n 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max} 40 kA
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode/Differential mode
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	U_{p-5kA} 0.6 kV
Protection level CM/DM @ I_n (8/20 μ s)	$U_{p-mc/md}$ 0.9 kV
Admissible short-circuit current	$I_{sc cr}$ 10 000 A

Mechanical Characteristics

Technology	MOV
SPD configuration	3-phase+Neutral
Connection to Network	By screw terminals: 1.5-10mm ² (L/N) or 2.5-25mm ² (PE)
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T_u -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	4 mechanical indicators
Spare module(s)	DSM440-120
Remote signaling of disconnection	Option DS440S-120 : output on changeover contact
Dimensions	See diagram
Weight	0.204 kg

Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	50 A min. - 125 A max. - Fuses Type gG

Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	

Part number

311602