



CITEL

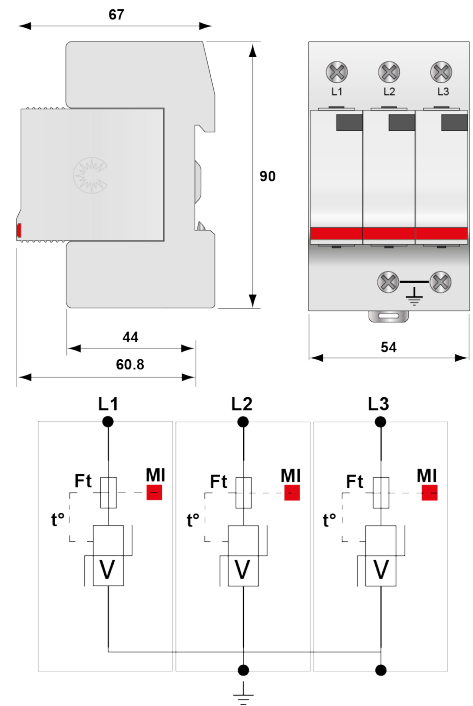


DS43-400

- Type 2 AC Multipolar surge protector
- In : 20 kA
- I_{max} total : 120 kA
- Pluggable module for each phase
- Remote signaling option
- NF EN 61643-11, CEI 61643-11 compliance
- UL1449 ed.15



Electrical Characteristics		
SPD type <i>following IEC test</i>		2
Network		230/400 V 3-phase
AC system		IT
Nominal line voltage	<i>U_n</i>	400 Vac
Max. AC operating voltage L-N	<i>U_c</i>	440 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>without disconnection</i>	<i>U_T</i>	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>without disconnection or with safety disconnection</i>	<i>U_T</i>	770 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	<i>I_{pe}</i>	< 1.5 mA
Operating current <i>Continuous current at U_c</i>	<i>I_c</i>	0.5 mA
Follow current	<i>I_f</i>	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	<i>I_n</i>	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	<i>I_{max}</i>	40 kA
Total Maximal discharge current <i>max. total withstand @ 8/20 μs</i>	<i>I_{max Total}</i>	120 kA
Admissible short-circuit current	<i>I_{sccr}</i>	25000 A
Connection mode(s)		L/PE
Protection mode(s)		Common mode
Protection level L/PE <i>@ I_n (8/20 μs)</i>	<i>U_{p L/PE}</i>	1.8 kV
Residual voltage at 10 kA <i>@ 8/20 μs</i>	<i>U_{p-10kA}</i>	1.5 kV
Residual voltage at 5 kA <i>@ 5 kA (8/20 μs)</i>	<i>U_{p-5kA}</i>	1.3 kV
Internal short circuit protection		No
Internal Thermal protection		Yes



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

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Mechanical Characteristics	
Technology	MOV
SPD configuration	3-phase
Connection to Network	By screw terminals: 2.5-25 mm ² / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN60715)
Housing material	Thermoplastic UL94-V0
Operating temperature	-40/+85°C
Protection rating	IP20
Failsafe behavior	Disconnection
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM40-400
Remote signaling of disconnection	option DS43S-400 : output on changeover contact
Dimensions	See diagram
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Fuses	Fuses type gG - 50 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification	UL / CSA /EAC
Part Number	461403