



CITEL

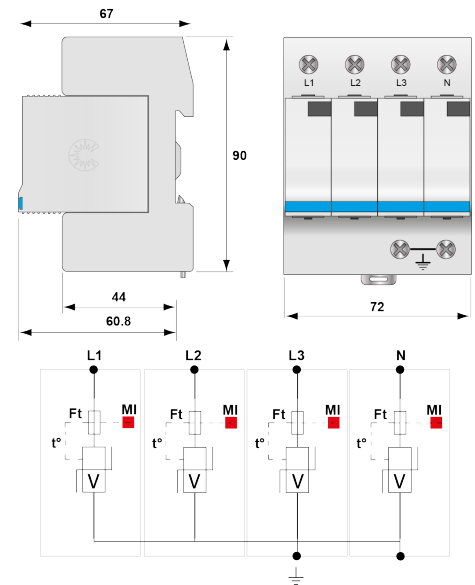


DS14-400



- Type 2 (or 3) AC Multipolar surge protector
- In : 5 kA
- I_{max} total: 40 kA
- Pluggable module by phase
- Remote signaling option
- EN 61643-11, CEI 61643-11, UL1449 ed.4 compliance

Electrical Characteristics		
SPD type <i>following IEC test</i>		2 (ou 3)
Network		230/400 V 3-phase+N
AC system		IT
Nominal line voltage	<i>Un</i>	400 Vac
Max. AC operating voltage L-N	<i>Uc</i>	440 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>without disconnection</i>	<i>UT</i>	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>without disconnection or with safety disconnection</i>	<i>UT</i>	770 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	<i>I_{pe}</i>	< 2 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>	5 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	<i>I_{max}</i>	10 kA
Total Maximal discharge current <i>max. total withstand @ 8/20 μs</i>	<i>I_{max Total}</i>	40 kA
Withstand on Combinaison waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	<i>U_{oc}</i>	10 kV
Withstand on overvoltages IEEE C62.41.1		10 kV
Admissible short-circuit current	<i>I_{sc}</i>	25000 A
Connection mode(s)		L/PE
Protection mode(s)		Common mode
Protection level L/PE <i>@ I_n (8/20μs)</i>	<i>U_p L/PE</i>	1.3 kV
Residuel voltage at 5 kA <i>@ 5 kA (8/20μs)</i>	<i>U_{p-5kA}</i>	1.3 kV



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



Mechanical Characteristics		
Technology		MOV
SPD configuration		3-phase+Neutral
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)		DSM10-400
Remote signaling of disconnection		option DS14S-400 : output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnecter		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		Fuses type gG - 20A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		EAC
Part Number		471402