

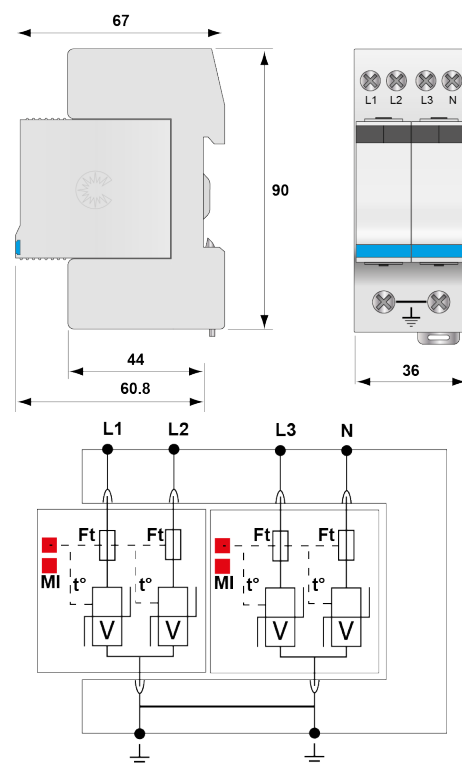


DS415-230



- Compact 3-phase+N type 2 (or 3) surge protector
- I_n : 5 kA
- I_{max} : 15 kA
- Common mode
- Pluggable module
- Remote signaling option
- EN 61643-11, CEI 61643-11, UL1449 ed.3 compliance

Electrical Characteristics		
SPD type <i>following IEC test</i>		2 (ou 3)
Network		230/400 V 3-phase
AC system		TN
Nominal line voltage	U_n	230 Vac
Max. AC operating voltage L-N	U_c	255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>without disconnection</i>	U_T	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>without disconnection or with safety disconnection</i>	U_T	440 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	I_{pe}	< 0.5 mA
Operating current <i>Continuous current at U_c</i>	I_c	0.5 mA
Follow current	I_f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I_n	5 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	15 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	U_{oc}	10 kV
Withstand on overvoltages IEEE C62.41.1		10 kV
Admissible short-circuit current	I_{scsr}	10000 A
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common mode
Protection level CM/DM <i>@ I_n (8/20μs)</i>	U_p mc/ md	0.9 kV
Residual voltage at 5 kA <i>@ 5 kA (8/20μs)</i>	U_p -5kA	0.9 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: 1.5-10mm ² (L/N) or 2.5-25mm ² (PE)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP21
Failsafe behavior		Disconnection
Disconnection indicator		4 mechanical indicators
Spare module(s)		DSM415-230
Remote signaling of disconnection		Option DS415S-230 : output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		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		451702