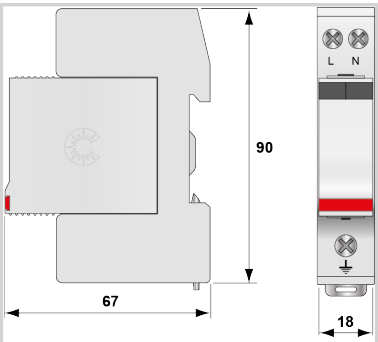
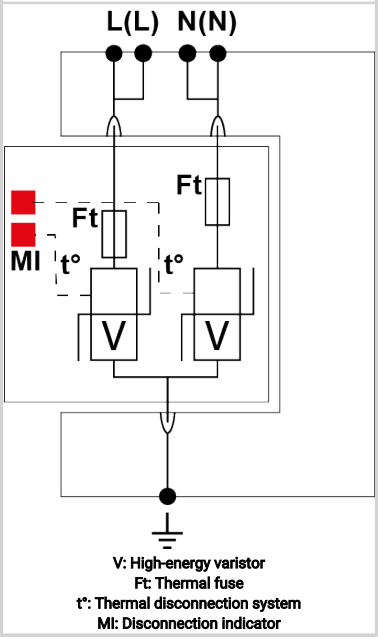
Compact 1-phase Type 2 (or 3) surge protector - 230 V - Pluggable

DS240-280



- Compact single-phase Type 2 surge protector
- In : 20 kA
- Imax : 40 kA
- Common mode
- Pluggable module
- Remote signaling option
- EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5





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

Electrical Characteristics		
SPD type	IEC	2
Network		230/400V
AC system		TN
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	280 Vac
Max. load current *if series connection*	IL	20 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. *Without disconnection*	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn *Without disconnection or with safety disconnection*	UT	440 Vac disconnection
Residual Current *Leakage current to Ground*	Ipe	< 0.5 mA
Follow current	If	None
Nominal discharge current *15 x 8/20 µs impulses*	In	20 kA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	80 kA
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	0.9 kV
Protection level CM/DM *@ In (8/20µs)*	Up mc /md	1.3 kV
Admissible short-circuit current	Isccr	10 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 1.5-10mm² (L/N) or 2.5-25mm² (PE)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		2 mechanical indicators
Spare module(s)		DSM240-280
Remote signaling of disconnection		Option DS240S-280 : output on changeover contact
Dimensions		See diagram
Weight		0.125 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

DS240-280

Certification		UL Recognized
Part number		
311101		