



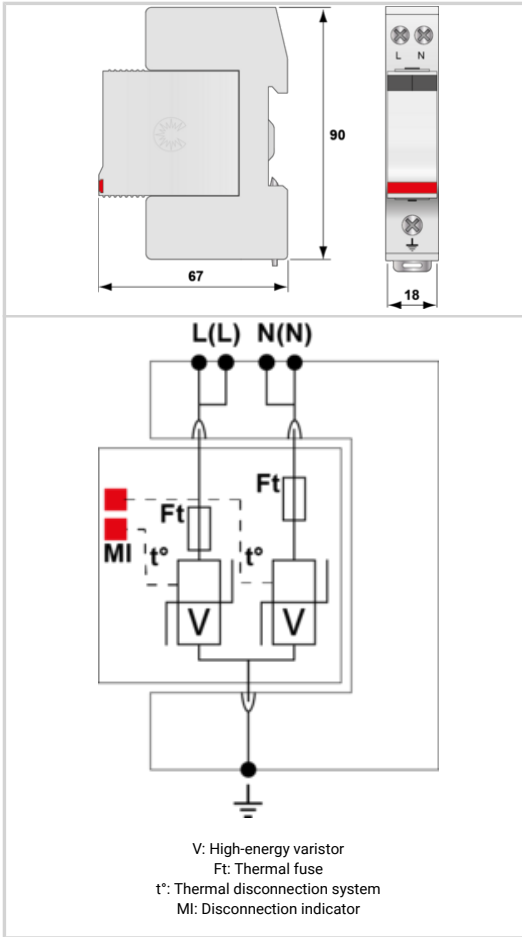
# Compact 1-phase Type 2 (or 3) surge protector - 230 V - Pluggable

# CITEL

## DS240-280



- Compact single-phase Type 2 surge protector
- $I_n$  : 20 kA
- $I_{max}$  : 40 kA
- Common mode
- Pluggable module
- Remote signaling option
- EN 61643-11, IEC 61643-11 compliance
- UL1449 ed.5



Electrical Characteristics	
SPD type	2
Network	230 V single-phase
AC system	TN
Nominal line voltage	$U_n$ 230 Vac
Max. AC operating voltage	$U_c$ 280 Vac
Max. load current if series connection	$I_L$ 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	$I_{pe}$ < 0.5 mA
Follow current	$I_f$ None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	$I_n$ 20 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$ 40 kA
Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	$I_{max}$ Total 80 kA
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode
Residual voltage at 5 kA @ 5 kA (8/20 $\mu$ s)	$U_{p-5kA}$ 0.9 kV
Protection level CM/DM @ $I_n$ (8/20 $\mu$ s)	$U_{p\ mc /md}$ 1.3 kV
Admissible short-circuit current	$I_{scrr}$ 10 000 A
Mechanical Characteristics	
Technology	MOV
SPD configuration	Single phase
Connection to Network	By screw terminals: 1.5-10mm <sup>2</sup> (L/N) or 2.5-25mm <sup>2</sup> (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	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
Certification	UL Recognized
Part number	
311101	

