



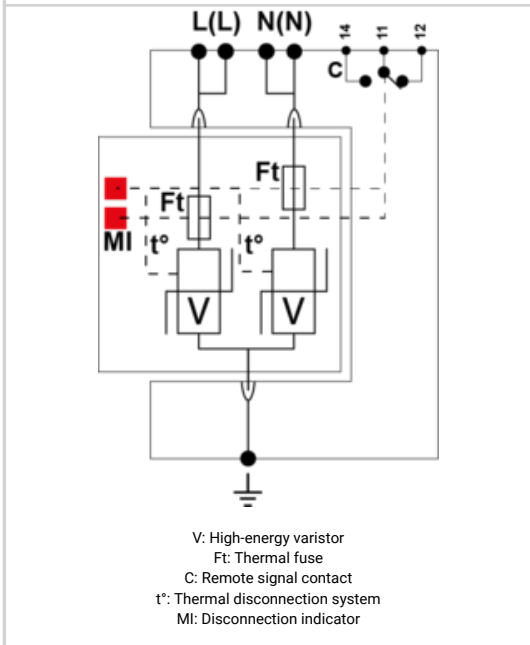
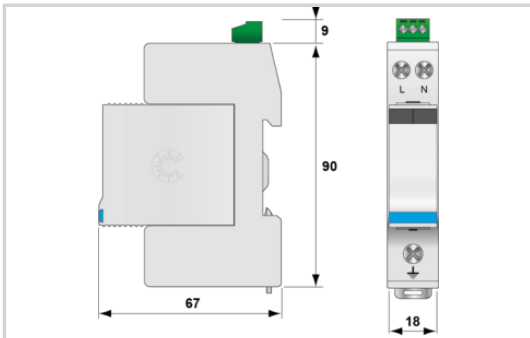
# Compact 1-phase Type 2 (or 3) surge protector - 230 V - Pluggable

# CITEL

## DS215S-400



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



Electrical Characteristics		
SPD type		2 (or 3)
Network		230 V single-phase
AC system		IT
Nominal line voltage	$U_n$	400 Vac
Max. AC operating voltage	$U_c$	440 Vac
Max. load current	$I_L$	20 A
<i>if series connection</i>		
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 Vac disconnection
Residual Current	$I_{pe}$	< 0.5 mA
<i>Leakage current to Ground</i>		
Follow current	$I_f$	None
Nominal discharge current	$I_n$	5 kA
<i>15 x 8/20 <math>\mu</math>s impulses</i>		
Max. discharge current	$I_{max}$	15 kA
<i>max. withstand @ 8/20 <math>\mu</math>s by pole</i>		
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s	$U_{oc}$	10 kV
Withstand on overvoltages IEEE C62.41.1		10 kV
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode/Differential mode
Protection level	$U_p$	1.3 kV
<i>@ <math>I_n</math> (8/20<math>\mu</math>s)</i>		
Residual voltage at 5 kA	$U_{p-5kA}$	1.3 kV
<i>@ 5 kA (8/20<math>\mu</math>s)</i>		
Admissible short-circuit current	$I_{sc}$	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)		DSM215-400
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.118 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		Fuses type gG - 20A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		UL / CSA
Part number		
451411		

