



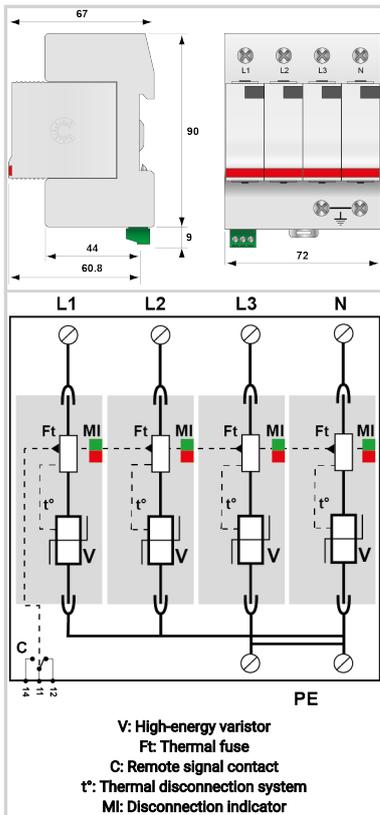
# CITEL

## Type 2 AC surge protector - 3-phase+N

### DS44S-480



- ▶ Type 2 AC Multipolar surge protector
- ▶ In : 20 kA
- ▶ I<sub>max</sub> total : 160 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11 compliance
- ▶ UL1449 ed.5



Electrical Characteristics	
Network	277/480 V 3-phase+N
AC system	TT-TN
Nominal line voltage	Un 480 Vac
Max. AC operating voltage	Uc 530 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 700 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 920 Vac disconnection
Residual Current	I <sub>pe</sub> < 2 mA
Leakage current to Ground	I <sub>pe</sub> < 2 mA
Follow current	I <sub>f</sub> None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub> 20 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub> 40 kA
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode
Protection level N/PE @ I <sub>n</sub> (8/20 μs)	Up N/PE 2.5 kV
Protection level L/PE @ I <sub>n</sub> (8/20 μs)	Up L/PE 2.5 kV
Admissible short-circuit current	I <sub>sc</sub> 25 000 A
Mechanical Characteristics	
SPD configuration	3-phase+Neutral
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub> -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM40-480
Remote signaling of disconnection	Output on changeover contact
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses type gG - 50 A
Standards	
Certification	UL
Environmental standards	EU RoHS
Part number	
33101421	

