



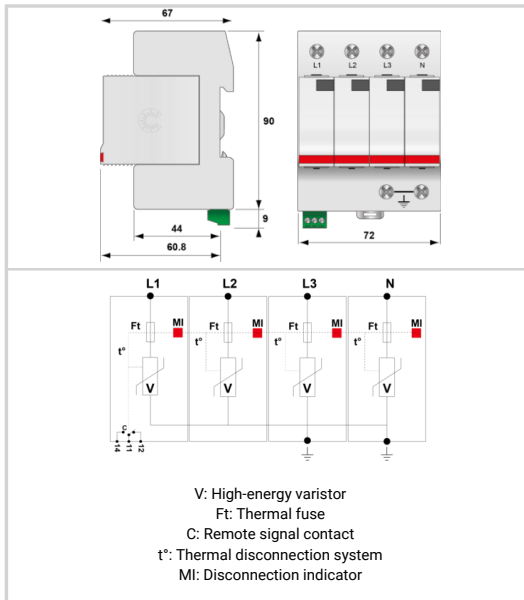
# Type 2 AC surge protector - 3-phase+N

# CITEL

## DS44S-400



- Discover our latest innovation : the [DAC50S-40-440](#)
- Type 2 AC Multipolar surge protector
- In 20 kA
- I<sub>max</sub> total: 160 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11, UL1449 ed.5



Electrical Characteristics	
Network	230/400 V 3-phase+N
AC system	TT-TNS
Nominal line voltage	U <sub>n</sub> 230/400 Vac
Max. AC operating voltage	U <sub>c</sub> 440 Vac
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 <sub>pe</sub> < 2 mA
Leakage current to Ground	
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
Residual voltage at 5 kA @ 5 kA (8/20μs)	U <sub>p-5kA</sub> 1.3 kV
Protection level N/PE @ I <sub>n</sub> (8/20μs)	U <sub>p N/PE</sub> 1.8 kV
Protection level L/PE @ I <sub>n</sub> (8/20μs)	U <sub>p L/PE</sub> 1.8 kV
Admissible short-circuit current	I <sub>scsr</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)	DSM40-400
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 / CSA / TUV Süd
Part number	
461422	

