



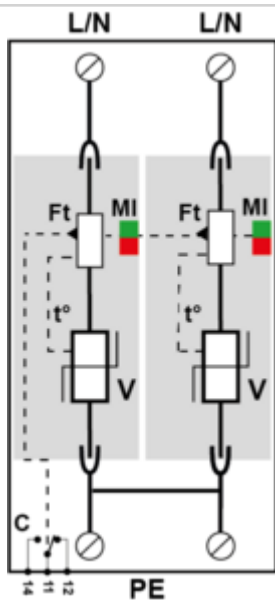
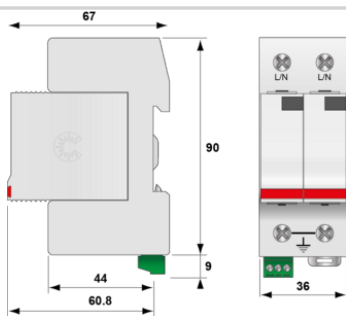
CITEL

Type 2 AC surge protector - Single-phase

DS42S-400



- › Discover our latest innovation : the [DAC50S-20-440](#)
- › Type 2 AC Multipolar surge protector
- › In: 20 kA
- › I_{max} total: 80 kA
- › Pluggable module for each phase
- › Remote signaling
- › EN 61643-11, IEC 61643-11, UL1449 ed.5



V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

Network	230 V single-phase
AC system	IT
Nominal line voltage	Un 400 Vac
Max. AC operating voltage	Uc 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 Leakage current to Ground	I _{pe} < 1 mA
Follow current	I _f None
Nominal discharge current 15 x 8/20 μs impulses	I _n 20 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 1.3 kV
Protection level N/PE @ I _n (8/20μs)	Up N/PE 1.8 kV
Protection level L/PE @ I _n (8/20μs)	Up L/PE 1.8 kV
Admissible short-circuit current	I _{sc} 25 000 A

Mechanical Characteristics

IP degree	IP 20
SPD configuration	Single phase
Format	Plug-in modular box
Operating temperature	T _u -40/+85°C
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
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Part number

461421

