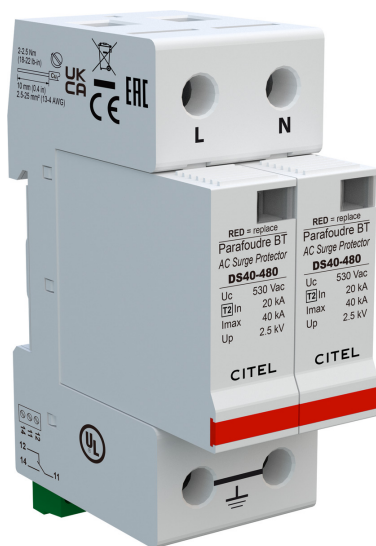




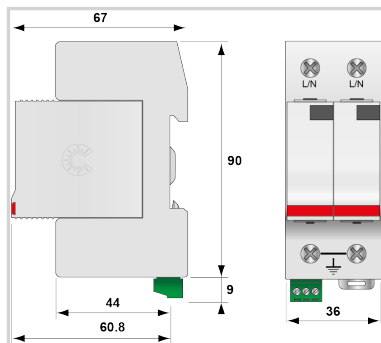
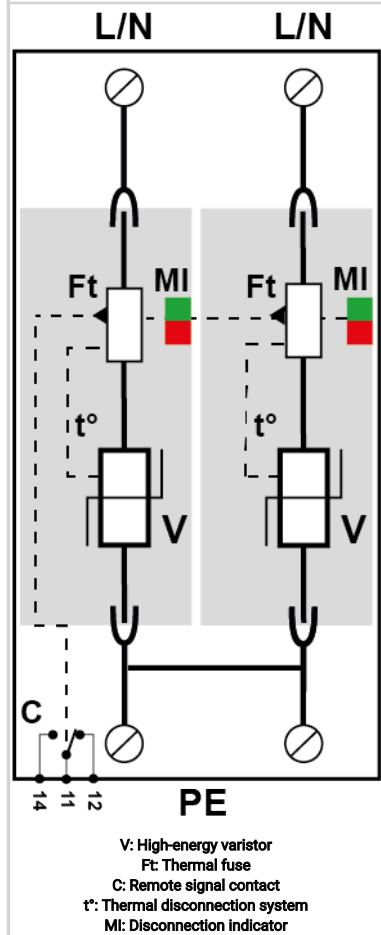
CITEL

Type 2 AC surge protector - Single-phase

DS42S-480



- Discover our latest innovation : the [DAC50S-20-530](#)
- 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



Electrical Characteristics

Network	230-277 V Single-phase
AC system	TT-TN
Nominal line voltage	Un 230-277 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 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
Protection level N/PE @ I _n (8/20µs)	Up N/PE 2.5 kV
Protection level L/PE @ I _n (8/20µs)	Up L/PE 2.5 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)	DSM40-480
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 listed
Environmental standards	EU RoHS

Part number

461015

