



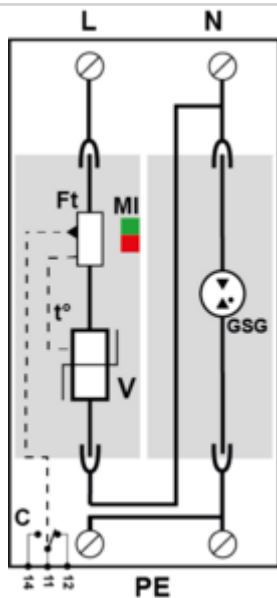
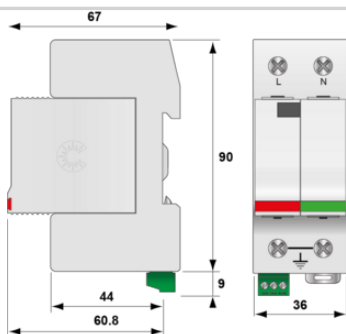
Type 2 AC surge protector - Single-phase

CITEL

DS42S-230/G



- Discover our latest innovation : the [DAC50S-11-275](#)
- Type 2 AC Multipolar surge protector
- In: 20 kA
- I_{max} total: 40 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t*: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics

SPD type	2
Network	230 V single-phase
AC system	TT-TN
Nominal line voltage	Un 230 Vac
Max. AC operating voltage	Uc 255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms withstand
Residual Current Leakage current to Ground	I _{pe} None
Follow current	I _f None
Nominal discharge current 15 x 8/20 µs impulses	I _n 20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max} 40 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	I _{max} Total 40 kA
Connection mode(s)	L/N and N/PE
Protection mode(s)	Common/Differential mode
Residual voltage at 5 kA @ 5 kA (8/20µs)	Up-5kA 0.9 kV
Protection level L/N @ I _n (8/20µs)	Up L/N 1.25 kV
Protection level N/PE @ I _n (8/20µs)	Up N/PE 1.5 kV
Admissible short-circuit current	I _{sc} 25 000 A

Mechanical Characteristics

Technology	MOV+GDT
SPD configuration	Single phase
Connection to Network	By screw terminals: 2.5-25mm ² / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM40-230+DSM40G-600
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.178 kg

Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses type gG - 50 A

Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	CSA / UL Listed

Part number

461531

