



Type 2 AC surge protector - Single-phase

CITEL

DS42S-230



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Type 2 AC Multipolar surge protector

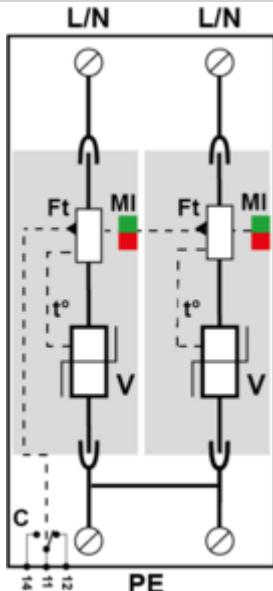
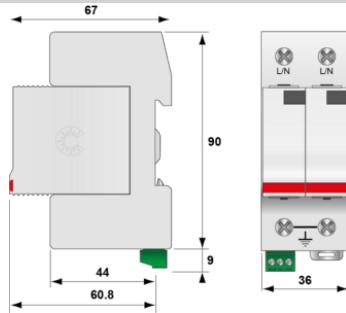
In: 20 kA

Imax 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

SPD type	2
Network	230 V single-phase
AC system	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
Residual Current Leakage current to Ground	Ipe < 1 mA
Follow current	If None
Nominal discharge current 15 x 8/20 µs impulses	In 20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax 40 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total 80 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 0.9 kV
Protection level N/PE @ In (8/20µs)	Up N/PE 1.25 kV
Protection level L/PE @ In (8/20µs)	Up L/PE 1.25 kV
Admissible short-circuit current	Isccr 25 000 A
Mechanical Characteristics	
Technology	MOV
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
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
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	461521

