



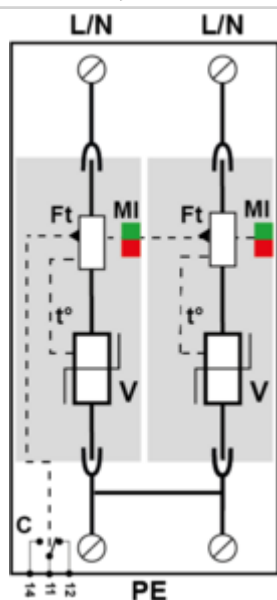
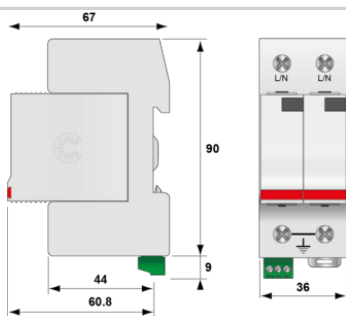
CITEL

Type 2 AC surge protector - Single-phase

DS42S-120



- › Type 2 AC Multipolar surge protector
- › I_n : 20 kA
- › I_{max} total : 80 kA
- › Pluggable module for each phase
- › Remote signaling
- › NF EN 61643-11, IEC 61643-11 compliance
- › UL1449 ed.50



Electrical Characteristics

SPD type	2
Network	120 V single-phase
AC system	TN
Nominal line voltage	U_n 120 Vac
Max. AC operating voltage	U_c 150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 230 Vac disconnection
Residual Current Leakage current to Ground	I_{pe} < 1 mA
Follow current	I_f None
Nominal discharge current 15 x 8/20 μ s impulses	I_n 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max} 40 kA
Connection mode(s)	L/PE and N/PE
Protection mode(s)	Common mode
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	U_{p-5kA} 0.6 kV
Protection level N/PE @ I_n (8/20 μ s)	$U_{p-N/PE}$ 0.9 kV
Protection level L/PE @ I_n (8/20 μ s)	$U_{p-L/PE}$ 1.2 kV
Admissible short-circuit current	I_{sc} 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	T_u -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM40-120
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

461621

