



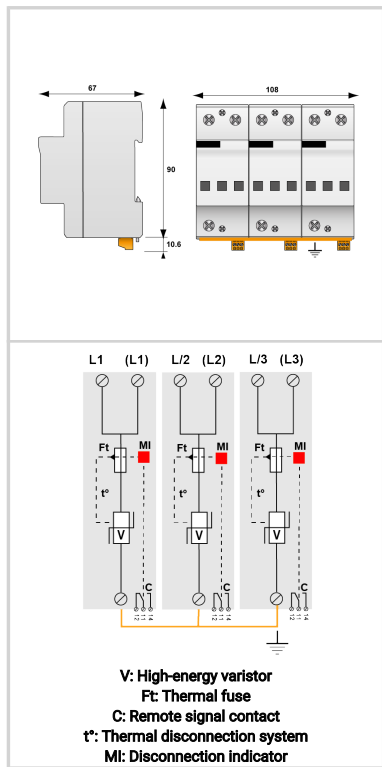
CITEL



Type 1+2 AC surge protector 3-phase

DS253E-120

- Type 1 + 2 unipolar surge protector
- Iimp total: 75 kA on 10/350µs impulse
- I_{max} : 140 kA on 8/20µs impulse
- Internal disconnections, status indicators
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics

SPD type	IEC	1+2
Network		120/208 V
AC system		TNC
Nominal line voltage	U _n	120 Vac
Max. AC operating voltage	U _c	150 Vac
Max. load current if series connection	I _L	100 A
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}	< 3 mA
Follow current	I _f	None
Nominal discharge current 15 x 8/20 µs impulses	I _n	70 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	140 kA
Impulse current by pole max. withstand 10/350µs by pole	I _{imp}	25 kA
Total lightning current max. total withstand @ 10/350µs	I _{total}	75 kA
Specific energy by pole max. withstand 10/350 µs	W/R	156 kJ/ohm
Connection mode(s)		L/PE
Protection mode(s)		Common mode
Protection level L/PE @ I _n (8/20µs)	U _p L/PE	1 kV
Admissible short-circuit current	I _{sc}	50 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		2-poles
Connection to Network		By screw terminals: 6-35mm ² / by bus
Format		1-pole modular box assembled
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		3 mechanical indicators by pole
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		Fuse assembly: SFD1-25-30S / or Fuses Type gG 315 A

Standards

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

Part number

3887

