



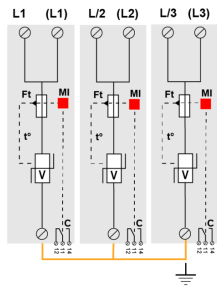
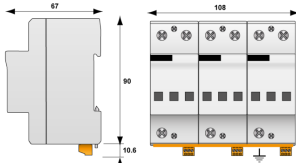
CITEL

Type 1+2 AC surge protector 3-phase

DS253E-400



- ✦ 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



V: High-energy varistor
 Ft: Thermal fuse
 C: Remote signal contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics		
SPD type	IEC	1+2
Network		230/400 V 3-phase
AC system		IT
Nominal line voltage	U _n	400 Vac
Max. AC operating voltage	U _c	440 Vac
Max. load current if series connection	IL	100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	770 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	50 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	2.5 kV
Admissible short-circuit current	I _{scrc}	50 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		3-phase
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
Weight		1.023 kg
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		
3939		

