



CITEL

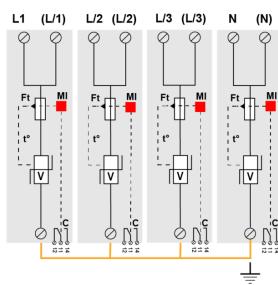
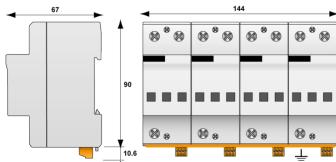


Type 1+2 AC surge protector - 3-phase+N

DS254E-400



- Type 1 + 2 unipolar surge protector
- Impulse total: 100 kA on 10/350 μ s impulse
- Imax : 140 kA on 8/20 μ s 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+N
AC system		IT
Nominal line voltage	Un	230/400 Vac
Max. AC operating voltage	Uc	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 ms Without disconnection or with safety disconnection	UT	770 Vac disconnection
Residual Current Leakage current to Ground	Ipe	< 3 mA
Follow current	If	None
Nominal discharge current 15 x 8/20 μ s impulses	In	50 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	Imax	140 kA
Impulse current by pole max. withstand 10/350 μ s by pole	Imp	25 kA
Total lightning current max. total withstand @ 10/350 μ s	Itotal	100 kA
Specific energy by pole max. withstand 10/350 μ s	W/R	156 kJ/ohm
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Protection level N/PE @ In (8/20 μ s)	Up N/PE	2.5 kV
Protection level L/PE @ In (8/20 μ s)	Up L/PE	2.5 kV
Admissible short-circuit current	Isccr	50 000 A

Mechanical Characteristics

Technology	MOV
SPD configuration	3-phase+Neutral
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	Tu
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	0.1 kg

Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuse assembly: SFD1-25-40S / or Fuses Type gG 315 A

Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	
Part number	3732

