



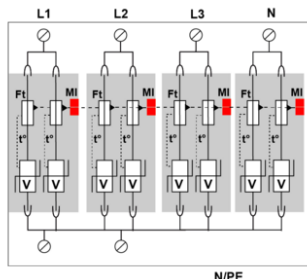
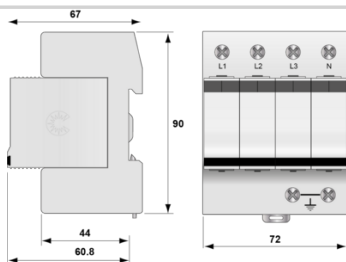
CITEL

Type 2 AC surge protector - 3-phase

DS74R-120



- Re-inforced Type 2 AC Multipolar surge protector
- In: 30 kA
- I_{max} total: 280 kA
- Pluggable module by phase
- Remote signaling option
- IEC 61643-11, EN 61643-11 compliance
- UL1449 ed.5 approved



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

Electrical Characteristics

SPD type		2
Network		120/208 V 3-phase+N
AC system		TNS
Nominal line voltage	Un	120 Vac
Max. AC operating voltage	Uc	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}	< 4 mA
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μ s impulses	I _n	30 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max}	70 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I _{max} Total	280 kA
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode/Differential mode
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	Up-5kA	0.6 kV
Protection level N/PE @ In (8/20 μ s)	Up N/PE	1 kV
Protection level L/PE @ In (8/20 μ s)	Up L/PE	1 kV
Admissible short-circuit current	I _{sc}	25 000 A

Mechanical Characteristics

Technology		MOV
SPD configuration		3-phase+Neutral
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		2 mechanical indicators by pole
Spare module(s)		DSM70R-120
Remote signaling of disconnection		option DS74RS-120 : output on changeover contact
Dimensions		See diagram

Disconnectors

Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		100 A min. - 125 A max. - Fuses type gG

Standards

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

Part number

491602

