



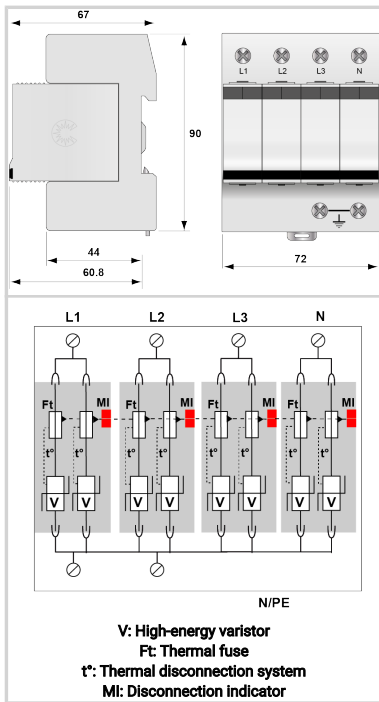
# CITEL



## Type 2 AC surge protector - 3-phase

### DS74R-120

- Discover our latest innovation : the [DAC80-40-150](#)
- Re-inforced Type 2 AC Multipolar surge protector
- In: 30 kA
- I<sub>max</sub> total: 280 kA
- Pluggable module by phase
- Remote signaling option
- IEC 61643-11, EN 61643-11 compliance
- UL1449 ed.5 approved



#### Electrical Characteristics

SPD type	IEC	2
Network		120/208 V 3-phase+N
AC system		TNS
Nominal line voltage	U <sub>n</sub>	120 Vac
Max. AC operating voltage	U <sub>c</sub>	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	230 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	I <sub>pe</sub>	< 4 mA
Follow current	I <sub>f</sub>	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I <sub>n</sub>	30 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	70 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total	280 kA
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA <i>@ 5 kA (8/20 μs)</i>	Up-5kA	0.6 kV
Protection level N/PE <i>@ I<sub>n</sub> (8/20 μs)</i>	Up N/PE	1 kV
Protection level L/PE <i>@ I<sub>n</sub> (8/20 μs)</i>	Up L/PE	1 kV
Admissible short-circuit current	I <sub>sc</sub>	25 000 A

#### Mechanical Characteristics

Technology		MOV
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub>	-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		cRUus

#### Part number

**491602**

