



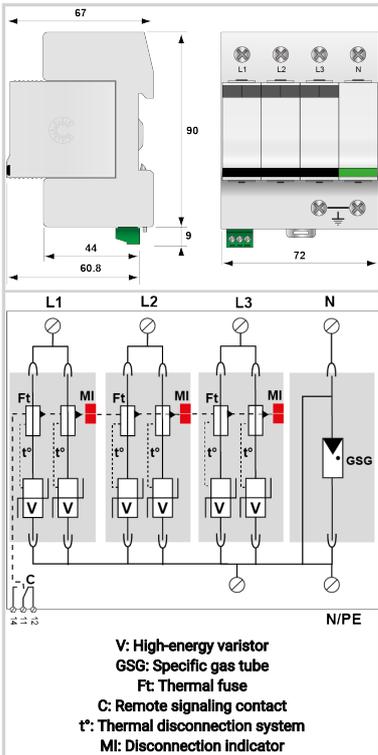
# CITEL

## Type 2 AC surge protector - 3-phase

### DS74RS-230/G



- ▶ Discover our latest innovation : the [DAC80S-31-275](#)
- ▶ Re-inforced Type 2 AC surge protector
- ▶ In : 30 kA
- ▶ I<sub>max</sub> : 70 kA
- ▶ Pluggable module by phase
- ▶ Remote signaling
- ▶ IEC 61643-11, EN 61643-11 compliance
- ▶ UL1449 ed.5 approved



#### Electrical Characteristics

SPD type	IEC	2
Network		230/400 V 3-phase+N
AC system		TT-TNS
Nominal line voltage	U <sub>n</sub>	230 Vac
Max. AC operating voltage	U <sub>c</sub>	255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	440 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
Residual Current Leakage current to Ground	I <sub>pe</sub>	None
Follow current	I <sub>f</sub>	None
Nominal discharge current 15 x 8/20 μs impulses	I <sub>n</sub>	30 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	70 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total	70 kA
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Residual voltage at 5 kA @ 5 kA (8/20 μs)	U <sub>p-5kA</sub>	0.9 kV
Protection level L/N @ I <sub>n</sub> (8/20 μs)	U <sub>p</sub> L/N	1.4 kV
Protection level N/PE @ I <sub>n</sub> (8/20 μs)	U <sub>p</sub> N/PE	1.5 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-2
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-230 + DSM70G-600
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		100 A min. - 125 A max. - Fuses type gG

#### Standards

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

#### Part number

**491532**

