



# CITEL

## Type 2 AC surge protector - unipolar

### DS71RS-400



- Discover our latest innovation : the [DAC80S-10-440](#)
- 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

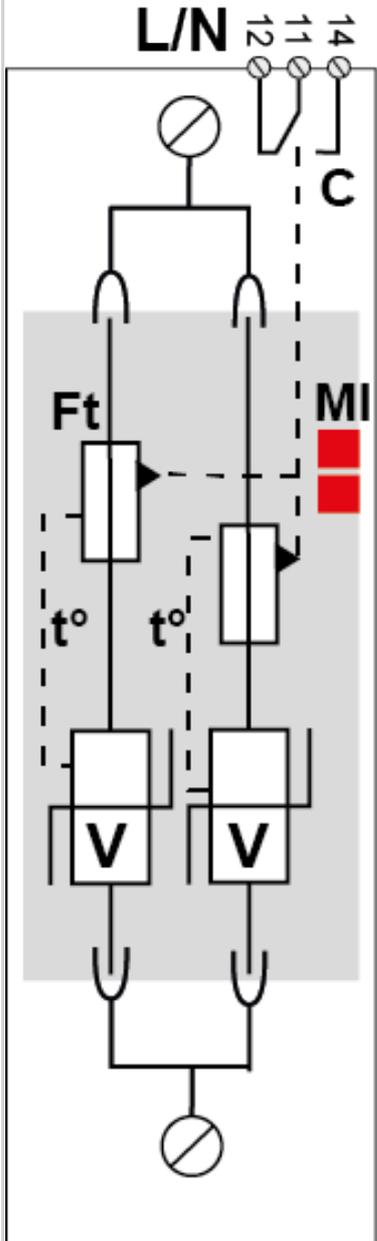
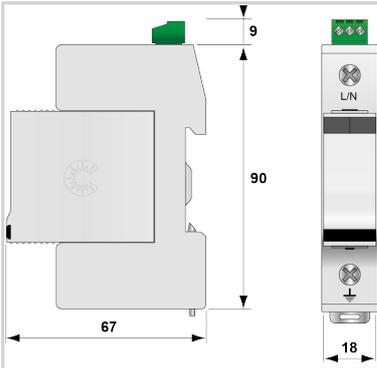


Electrical Characteristics		
SPD type	IEC	2
Network		230/400 V
Nominal line voltage	U <sub>n</sub>	400 Vac
Max. AC operating voltage	U <sub>c</sub>	440 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	770 Vac disconnection
Residual Current <i>Leakage current to Ground</i>	I <sub>pe</sub>	< 1 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	70 kA
Connection mode(s)		L/N or N/PE
Protection mode(s)		Common Mode or Differential Mode
Protection level <i>@ I<sub>n</sub> (8/20 μs)</i>	U <sub>p</sub>	1.8 kV
Residual voltage at 5 kA <i>@ 5 kA (8/20 μs)</i>	U <sub>p-5kA</sub>	1.2 kV
Admissible short-circuit current	I <sub>sc</sub>	25 000 A
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
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-400
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		
<b>321411</b>		



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## DS71RS-400



### N/PE

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

