



# CITEL



## Type 1+2 DC surge protector 1-pole - pluggable

### DS71R-48DC

- 2-poles surge protector 48 Vdc
- Type 1 and Type 2
- In 30 kA / I<sub>max</sub> 70 kA
- Remote signaling
- I<sub>limp</sub> 7 kA
- Pluggable Module
- IEC 61643-11 and EN61643-11 compliance

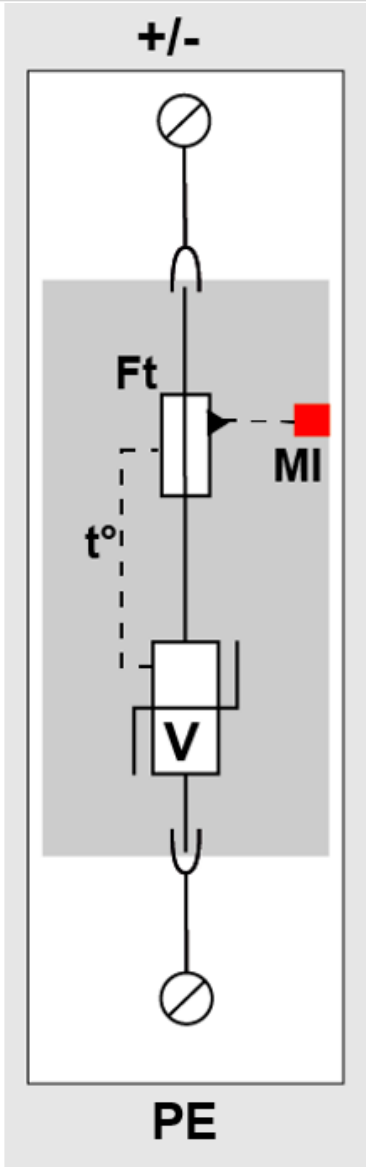
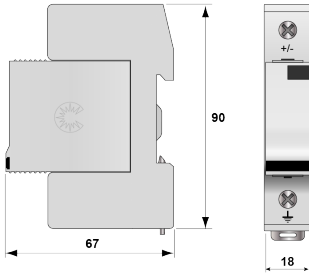


Electrical Characteristics		
SPD type	IEC	1+2
Network		48 Vdc
Nominal line voltage	U <sub>n</sub>	48 Vdc
Nominal DC voltage	U <sub>n-dc</sub>	48 Vdc
Max. DC operating voltage	U <sub>c</sub>	65 Vdc
Residual Current Leakage current to Ground	I <sub>pe</sub>	< 0.2 mA
Follow current	I <sub>f</sub>	None
Nominal 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
Impulse current by pole max. withstand 10/350μs by pole	I <sub>limp</sub>	7 kA
Connection mode(s)		+/-PE or -/PE
Protection level @ I <sub>n</sub> (8/20μs)	U <sub>p</sub>	300 V
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
Connection to Network		By screw terminals: 4-25mm <sup>2</sup>
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 DC network
Disconnection indicator		1 mechanical indicator
Spare module(s)		DSM70R-48DC
Remote signaling of disconnection		DS71RS-48DC option : output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
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
Part number		
<b>322101</b>		



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## DS71R-48DC



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

