



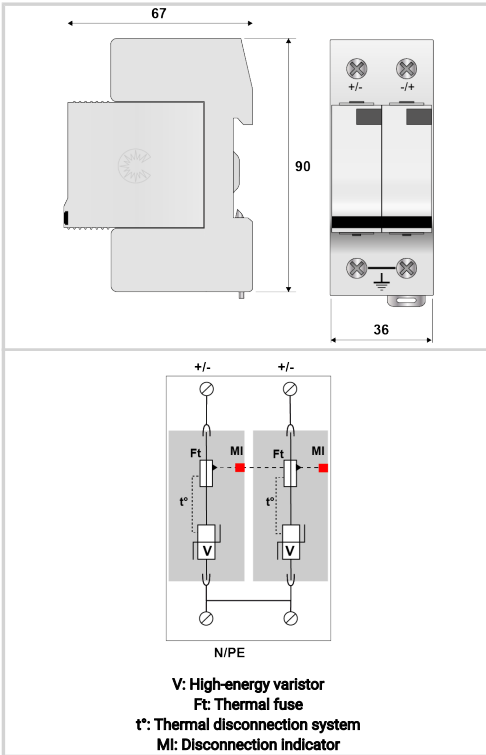
# CITEL

## 1-pole Type 1 and Type 2 SPD for 48 Vdc

### DS72R-48DC



- 2-poles surge protector 48 Vdc
- Type 1 et Type 2
- In 30 kA / I<sub>max</sub> 70 kA
- Remote signaling
- I<sub>limp</sub> 7 kA
- Pluggable Module
- IEC 61643-11, EN61643-11 and UL1449 ed.5 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
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	140 kA
Impulse current by pole <i>max. withstand 10/350 μs by pole</i>	I <sub>limp</sub>	7 kA
Total lightning current <i>max. total withstand @ 10/350 μs</i>	I <sub>total</sub>	14 kA
Connection mode(s)		+/PE and -/PE
Protection mode(s)		Common mode
Protection level +/PE (-/PE) <i>@ I<sub>n</sub> (8/20 μs)</i>	U <sub>p</sub>	300 V
Mechanical Characteristics		
Technology		MOV
SPD configuration		2-poles
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		2 mechanical indicators
Spare module(s)		DSM70R-48DC
Remote signaling of disconnection		DS72RS-48DC option : output on changeover contact
Dimensions		See diagram
Weight		0.204 kg
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>492101</b>		

