



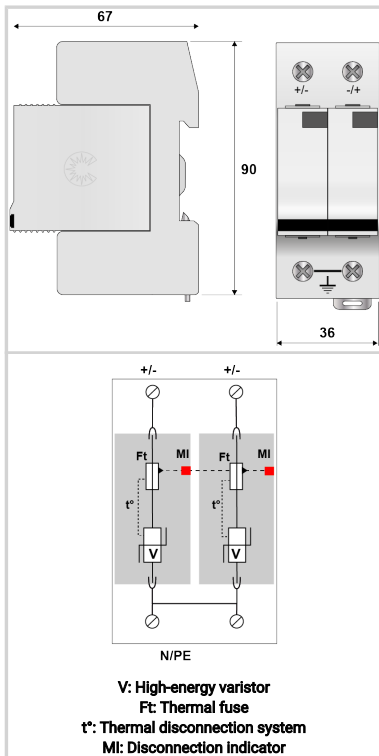
CITEL

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_{max} 70 kA
- Remote signaling
- I_{imp} 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	Un	48 Vdc	
Nominal DC voltage	Un-dc	48 Vdc	
Max. DC operating voltage	Uc	65 Vdc	
Follow current	If	None	
Nominal discharge current 15 x 8/20 μ s impulses	In	30 kA	
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max}	70 kA	
Total Maximum discharge current max. total withstand @ 8/20 μ s	I _{max} Total	140 kA	
Impulse current by pole max. withstand 10/350 μ s by pole	I _{imp}	7 kA	
Total lightning current max. total withstand @ 10/350 μ s	I _{total}	14 kA	
Connection mode(s)		+/-PE and -/+PE	
Protection mode(s)		Common mode	
Protection level +/-PE (-/-PE) @ In (8/20 μ s)	Up	300 V	
Mechanical Characteristics			
Technology		MOV	
SPD configuration		2-poles	
Connection to Network		By screw terminals: 4-25mm ²	
Format		Plug-in modular box	
Mounting		Symmetrical rail 35 mm (EN 60715)	
Housing material		Thermoplastic UL94 V-0	
Operating temperature	Tu	-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	
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	
Environmental standards		EU RoHS	
Part number			
492101			

