



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_{max} 70 kA
- Remote signaling
- I_{imp} 7 kA
- Pluggable Module
- IEC 61643-11 and EN61643-11 compliance

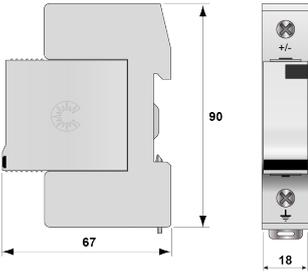


Electrical Characteristics		
SPD type	IEC	1+2
Network		48 Vdc
Nominal line voltage	U _n	48 Vdc
Nominal DC voltage	U _{n-dc}	48 Vdc
Max. DC operating voltage	U _c	65 Vdc
Residual Current	I _{pe}	< 0.2 mA
Leakage current to Ground		
Follow current	I _f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	30 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	70 kA
Impulse current by pole <i>max. withstand 10/350 μs by pole</i>	I _{imp}	7 kA
Connection mode(s)		+/-PE or -/PE
Protection level <i>@ I_n (8/20 μs)</i>	U _p	300 V
Mechanical Characteristics		
Technology		MOV
SPD configuration		Single phase
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	T _u	-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		
322101		

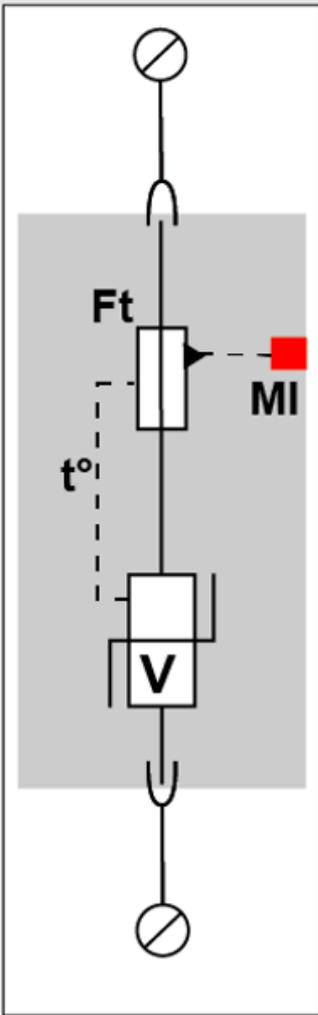


CITEL

DS71R-48DC



+/-



PE

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

