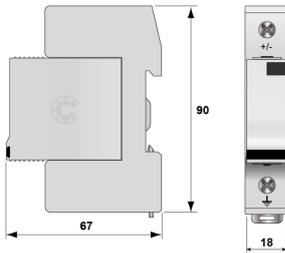


DS71R-48DC



- ✦ 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	Un	48 Vdc
Nominal DC voltage	Un-dc	48 Vdc
Max. DC operating voltage	Uc	65 Vdc
Residual Current		
Leakage current to Ground	I _{pe}	< 0.2 mA
Follow current	I _f	None
Nominal discharge current 15 x 8/20 μs impulses	I _n	30 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	70 kA
Impulse current by pole max. withstand 10/350μs by pole	I _{imp}	7 kA
Connection mode(s)		+/-PE or -/PE
Protection level @ I _n (8/20μs)	Up	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

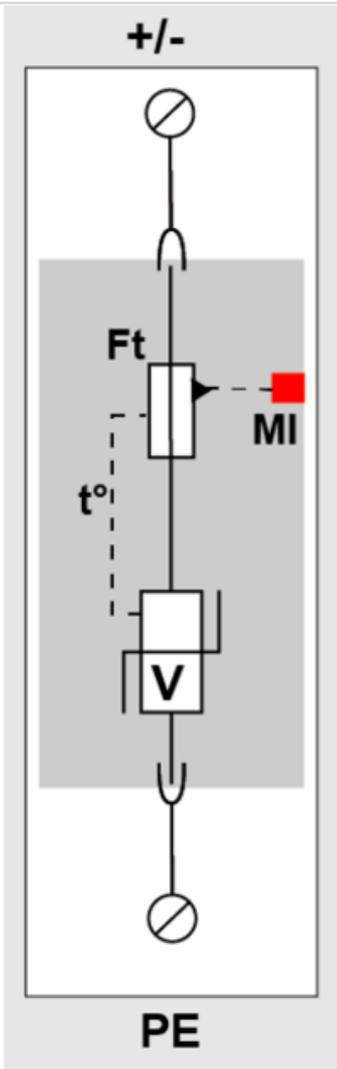
Thermal disconnector		Internal
Back-up protection device		100 A min. - 125 A max. - Fuses type gG

Standards

Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
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Part number

322101



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