



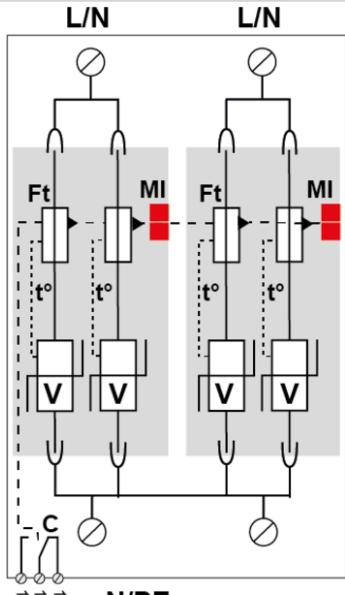
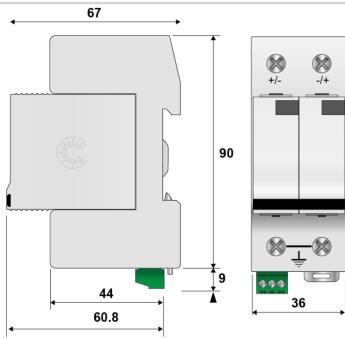
CITEL

1-Pole 48 Vdc surge protector

DS72RS-48DC



- 2-poles surge protector 48 Vdc
- Type 1 et Type 2
- In 30 kA / Imax 70 kA
- Remote signaling
- Imp 7 kA
- Pluggable Module
- IEC 61643-11 and EN61643-11 compliance
- UL1449 ed.5



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

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 µs impulses	In	30 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	70 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	140 kA
Impulse current by pole max. withstand 10/350µs by pole	Imp	7 kA
Total lightning current max. total withstand @ 10/350µs	Itotal	14 kA
Connection mode(s)		+/PE and -/PE
Protection mode(s)		Differential/Common mode
Protection level +/PE (-/PE) @ In (8/20µs)	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	1 mechanical indicator by pole
Spare module(s)	DSM70R-48DC
Remote signaling of disconnection	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	492121

