



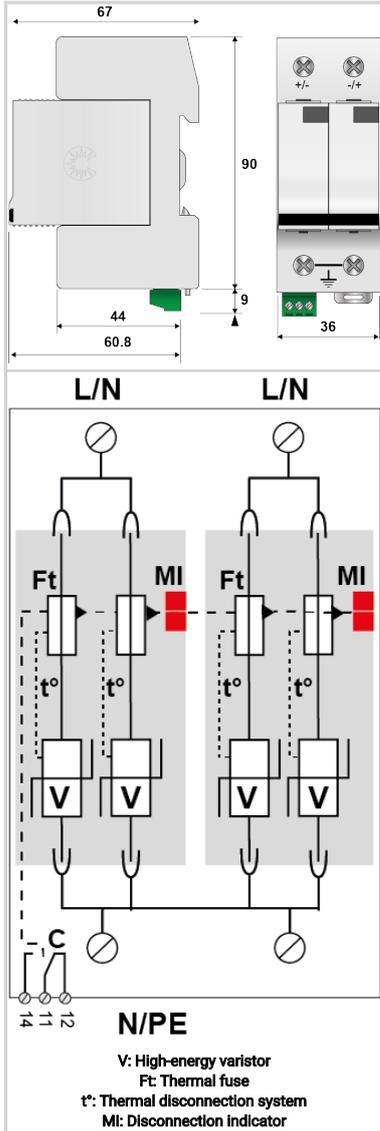
CITEL



48Vdc Surge Protector

DS72RS-48DC

- ▶ Multi-MOV Technology
- ▶ UL1449 5th Ed. Type 4CA
- ▶ 70kA Surge Current Rating per module
- ▶ Visual fault indicator and remote contacts
- ▶ 10-Year warranty



Electrical Characteristics	
Network	48 Vdc
Nominal line voltage	Un 48 Vdc
Max. DC operating voltage	Uc 65 Vdc
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax 70 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	Imax Total 140 kA
Connection mode(s)	+/-PE and -/PE
Protection mode(s)	Differential/Common mode
Protection level +/-PE (-/PE) <i>@ In (8/20μs)</i>	Up 300 V
POWER SPD TYPE	UL1449 5th Ed. TYPE 4CA
VOLTS	(V) 48
AC/DC/DC PV/RF	DC
PHASE	(PH)
AMPS	(A) N/A
AMBIENT MIN	(C) -40
AMBIENT MAX	(C) +85
MODES	DC+G or DC-G
MLV DC	(V) 560
MCOV	(V) 65
IN <i>15 impulses 8/20μs</i>	(kA) 10
SCCR	(kA) n/a
IMAX <i>8/20μs</i>	(kA) 70
Mechanical Characteristics	
Technology	MOV
Connection to Network	By screw terminals: 4-25mm ²
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from DC network
TECHNOLOGY	Multi-MOV
NETWORK CONFIGURATION	2W+G
CONNECTION METHOD	SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG
MOUNTING	Din Rail
MATERIAL	Thermoplastic UL94-V0
NEMA RATING (IP RATING)	NEMA 2 (IP20)
FAIL-SAFE BEHAVIOR	Disconnection via fuse-link
REAL-TIME DIAGNOSTICS	Visual indicator and remote contacts
DIMENSIONS	See diagram
WEIGHT	0.44 lbs
SPARE PART	DSM70-48DC
Standards	
Certification	cRUus
Environmental standards	EU RoHS
UL STANDARD	UL1449 5th Edition
UL CATEGORY	VZCA2, VZCA8
UL FILE NUMBER	E326289
STANDARDS	IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number	
492121	

