



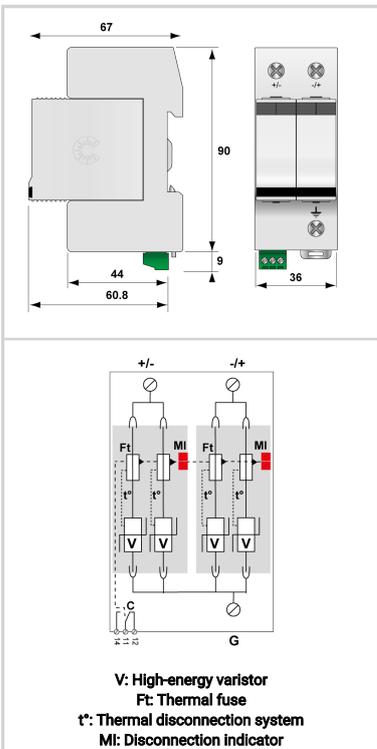
CITEL

48Vdc Surge Protector, UL1449 5th Ed. Type 1

DS72US-48DC



- ▶ Multi-MOV Technology
- ▶ UL1449 5th Ed. Type 1
- ▶ 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. 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 1
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+DC-,DC+G,DC-G
VPR	(V)	800/400/400
MCOV	(V)	150/75/75
IN <i>15 impulses 8/20μs</i>	(kA)	20
SCCR	(kA)	85
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		UL Listed
Environmental standards		EU RoHS
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA, VZCA7
UL FILE NUMBER		E326289
STANDARDS		IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number		



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