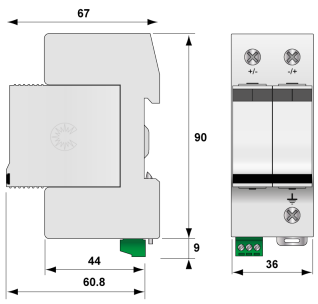
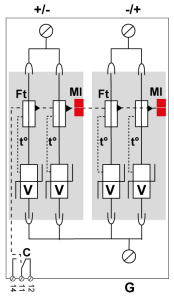
48Vdc Surge Protector, UL1449 5th Ed. Type 1

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





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

Electrical Characteristics		
Network		48 Vdc
Nominal line voltage	Un	48 Vdc
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
Connection mode(s)		+/PE and -/PE
Protection mode(s)		Differential/Common mode
Protection level +/PE (-/PE) *@ In (8/20µs)*	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 *15 impulses 8/20µs*	(kA)	20
SCCR	(kA)	85
IMAX *8/20µs*	(kA)	70
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 4-25mm²
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		

DS72US-48DC

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