



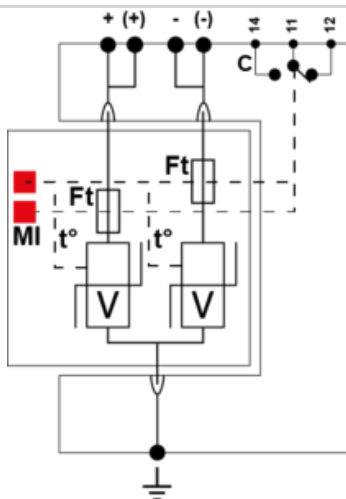
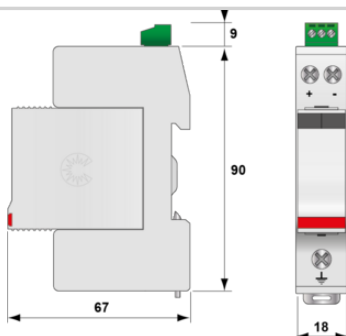
CITEL

DC Power SPD- I_{max} 40kA - I_n 20kA - Modular

DS240S-110DC



- MOV Technology
- UL1449 Type 4CA
- 40kA Surge Current Rating per module
- Visual fault indicator and remote contacts
- 10-Year warranty



Electrical Characteristics

Network		DC or PV network 110Vdc
Max. DC operating voltage	U _c	150 Vdc
Max. load current @25°C	I _L	50 A
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	80 kA
Protection mode(s)		Common mode
Protection level +/PE (-/PE) @ I _n (8/20 μs)	U _p	500 V
POWER SPD TYPE		IEC Type 2
VOLTS	(V)	110
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
I _N 15 impulses 8/20 μs	(kA)	20
SCCR	(kA)	n/a
I _{MAX} 8/20 μs	(kA)	40

Mechanical Characteristics

Technology		MOV
Connection to Network		By screw terminals: 1.5-10mm ² (actives wires) and 2.5-25mm ² (ground)
Format		Plug-in modular box
Failsafe mode		Disconnection from DC network
TECHNOLOGY		MOV
NETWORK CONFIGURATION		2W+G
CONNECTION METHOD		SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG
MOUNTING		Wall mount
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		0.30 lbs

Standards

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
ENVIRONMENTAL STANDARDS		ROHS

Part number

310711

