



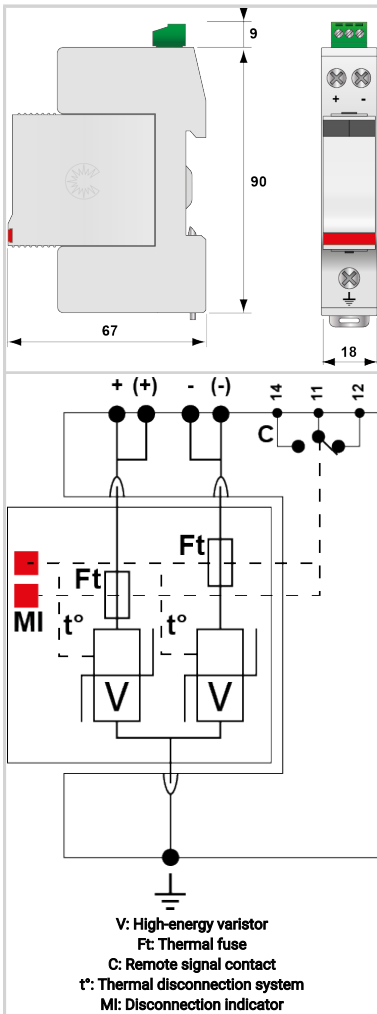
# CITEL

## DC Power SPD- I<sub>max</sub> 40kA - I<sub>n</sub> 20kA - Modular

### DS240S-95DC



- 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 95Vdc
Max. AC operating voltage	Uc	95 Vac
Max. DC operating voltage	Uc	125 Vdc
Max. load current @25°C	IL	50 A
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total	80 kA
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
Protection level +/-PE (-/PE) <i>@ I<sub>n</sub> (8/20μs)</i>	U <sub>p</sub>	450 V
POWER SPD TYPE		IEC Type 2
VOLTS	(V)	95
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
IN <i>15 impulses 8/20μs</i>	(kA)	20
SCCR	(kA)	n/a
IMAX <i>8/20μs</i>	(kA)	40

#### Mechanical Characteristics

Technology		MOV
Connection to Network		By screw terminals: 1.5-10mm <sup>2</sup> (actives wires) and 2.5-25mm <sup>2</sup> (ground)
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP20
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



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DC Power SPD- I<sub>max</sub> 40kA - In 20kA - Modular

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## DS240S-95DC

Standards	
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	
<b>310311</b>	

