

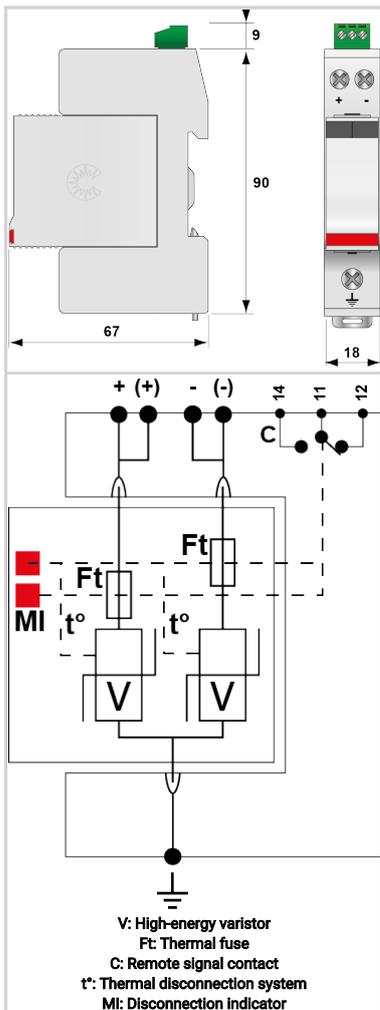


# CITEL



## DS230S-48DC

- ▶ MOV Technology
- ▶ UL1449 Type 4CA
- ▶ 30kA Surge Current Rating per module
- ▶ Visual fault indicator and remote contacts
- ▶ 10-Year warranty



### Electrical Characteristics

Network		DC or PV network 48Vdc
Nominal line voltage	Un	48 Vdc
Max. AC operating voltage	Uc	50 Vac
Max. DC operating voltage	Uc	65 Vdc
Max. load current @25°C	IL	50 A
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	30 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	Imax Total	30 kA
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
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+DC-,DC+G,DC-G
MLV DC	(V)	710/540/560
MCOV	(V)	65/65/65
IN <i>15 impulses 8/20μs</i>	(kA)	10
SCCR	(kA)	n/a
IMAX <i>8/20μs</i>	(kA)	30

### 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	Tu	-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		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		0.30 lbs
SPARE PART		DSM220-12DC

### Standards



# CITEL

## DS230S-48DC

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
<b>Part number</b>	
<b>390411</b>	

