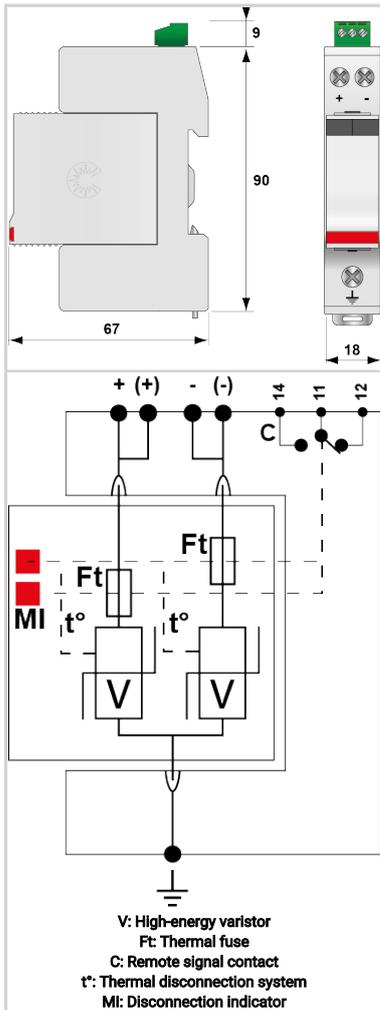# DS220S-12DC

▶DC power surge protector

- 12Vdc

- Imax:20kA

- Pluggable module

- Remote signaling

-Very low Up protection level

Parafoudre DC Surge Protector DS220-12DC

Uc	24 Vdc
T2 In	10 kA
Imax	20 kA
Up	250 V

Red : to be replaced

CITEL

Dimensions (mm): 9, 90, 67, 18

Connection diagram legend
V: High-energy varistor
Ft: Thermal fuse
C: Remote signal contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
Network		DC or PV network 12Vdc
Nominal line voltage	Un	48 Vdc
Max. AC operating voltage	Uc	20 Vac
Max. DC operating voltage	Uc	24 Vdc
Max. load current @25°C	IL	50 A
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	20 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	40 kA
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
POWER SPD TYPE		UL1449 5th Ed. TYPE 4CA
VOLTS	(V)	12
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)	590/510/510
MCOV	(V)	24/24/24
IN *15 impulses 8/20µs*	(kA)	10
SCCR	(kA)	n/a
IMAX *8/20µs*	(kA)	20
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 1.5-10mm² (actives wires) and 2.5-25mm² (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

DS220S-12DC

WEIGHT	0.30 lbs
SPARE PART	DSM220-12DC
Standards	
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
Part number	
390111	