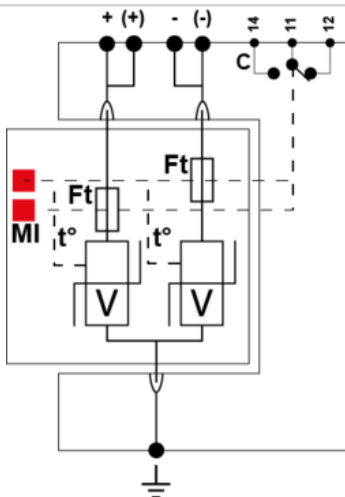
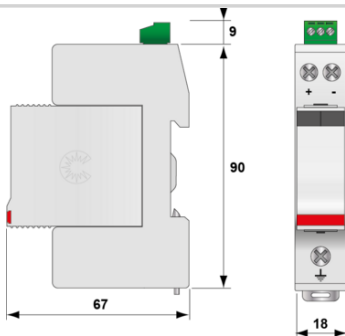




- ↳ DC power surge protector
- 24Vdc
- I_{max}:20kA
- Pluggable module
- Remote signaling
- Very low Up protection level



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

Electrical Characteristics			
Max. load current	IL	20 A	
Total Maximum discharge current (max. total withstand @ 8 /20 μs)	I _{max} Total	40 kA	
Protection mode(s)		Common mode	
Protection level +/-PE (-/PE)(@ I _n (8/20μs))	Up	250 V	
POWER SPD TYPE		UL1449 TYPE 4CA	
VOLTS	(V)	24	
AC/DC/DC PV/RF		DC	
PHASE	(PH)	-	
AMPS	(A)	n/a	
AMBIENT MIN	(C)	-35	
AMBIENT MAX	(C)	+85	
MODES		DC+DC-,DC+G,DC-G	
MLV DC	(V)	580/560/490	
MCOV	(V)	38/38/38	
IN(15 impulses 8/20μs)	(kA)	10	
SCCR	(kA)	n/a	
IMAX(8/20μs)	(kA)	20	
RELATIVE HUMIDITY	(%)	up to 95% non-condensing at all temperatures	
Installation			
Operating Temperature(Min)	°F	-40.0000	
Operating Temperature(Max)	°F	185.0000	
Operating Relative Humidity(Max)	%RH	up to 95% non-condensing at all temperatures	
Operating Altitude(Min)	Ft	-100.0000	
Operating Altitude(Max)	Ft	1.0000	
Mechanical Characteristics			
Outdoor application		No	
Weight		0.111 kg	
TECHNOLOGY		MOV	
NETWORK CONFIGURATION		2W+G	
CONNECTION METHOD		Screw Terminal (8-12AWG)	
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 (mm)	
WEIGHT		0.30 lbs	
SPARE PART		DSM230-48DC	
Standards			
Certification		UL listed	
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			



DIN RAIL DC

DS220S-24DC

DC POWER

390511

