



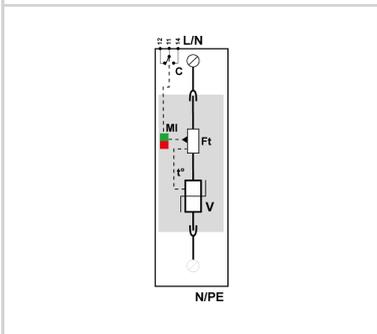
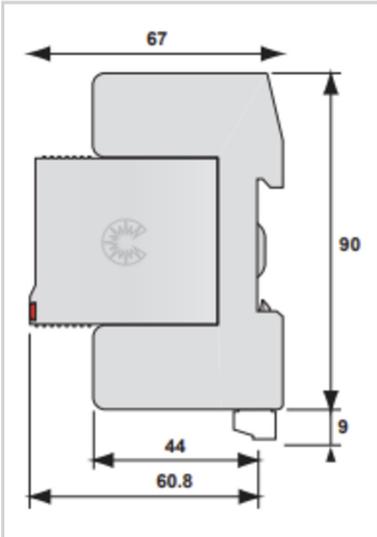
CITEL

UL TYPE 1 SPD - I_{max} 40kA - I_n 20kA - Modular

DS41S-480



- ▶ UL1449 TYPE 1 LISTED SPD
- ▶ MOV Technology
- ▶ 40kA Surge Current Rating
- ▶ Visual fault indicator and remote contacts
- ▶ 10-Year warranty



Electrical Characteristics		
Network		277/480 V 3-phase
Nominal line voltage	U _n	480 V
Max. AC operating voltage	U _c	530 Vac
Max. discharge current	I _{max}	40 kA
max. withstand @ 8/20 μs by pole		
Total Maximum discharge current	I _{max} Total	40 kA
max. total withstand @ 8/20 μs		
Connection mode(s)		L/PE
Protection mode(s)		Common mode
POWER SPD TYPE		UL1449 TYPE 1 LISTED
VOLTS	(V)	480
AC/DC/DC PV/RF		AC
PHASE	(PH)	1
AMPS	(A)	N/A
AMBIENT MIN	(C)	-35
AMBIENT MAX	(C)	+60
MODES		L-G
VPR	(V)	-/-/1800/-
MCOV	(V)	550
I _N	(kA)	20
15 impulses 8/20μs		
SCCR	(kA)	100
I _{MAX}	(kA)	40
8/20μs		
I _{imp}	(kA)	4
10/350μs		
Option		
Remote status dry contact electrical rating	Max Voltage	V 250.0000
Remote status dry contact electrical rating	Max Current	A 0.5000
RFI Filter		no
Installation		
Wiring type		Screw
Solid wire cross section	Min	mm ² 2.5000
Solid Wire cross section	Max	mm ² 35.0000
Stranded Wire cross section	Min	mm ² 2.5000
Stranded wire cross section	Max	mm ² 25.0000
Wire gauge	Min	AWG 13.0000
Wire gauge	Max	AWG 2.0000
Torque		Nm 2.0 - 2.5
Torque		in-lbs 17.8 - 22.1
Strip Length		mm 13.0000
Strip Length		in 0.5000
Operating Temperature	Min	°C -40.0000
Operating Temperature	Max	°C 85.0000
Operating Temperature	Min	°F -40.0000
Operating Temperature	Max	°F 85.0000
Operating Relative Humidity	Max	%RH 95
Operating Altitude	Min	Ft 2000.0000
Operating Altitude	Max	Ft 6500.0000
Housing/Enclosure material		Thermoplastic
Flammability rating	UL 94	V0
Mounting		Din Rail
IP Environmental rating	IP	IP20
NEMA Environmental rating	NEMA	NEMA 1
Installation Location		Indoor
Spare part		Module
Product Dimension	L	mm 99.0000
Product Dimension	H	mm 67.0000
Product Dimension	W	mm 18.0000



CITEL

UL TYPE 1 SPD - I_{max} 40kA - I_n 20kA - Modular

DS41S-480

Product DimensionL	In	3.8900
Product DimensionH	In	2.6400
Product DimensionW	In	0.7100
Miscellaneous		
Individual Pack		Yes
Storage Temperature _{Min}	°C	-40.0000
Storage Temperature _{Max}	°C	85.0000
Storage Temperature _{Min}	°F	-40.0000
Storage Temperature _{Max}	°F	85.0000
Storage Relative Humidity _{Max}	%RH	95.0000
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm ² / by bus
Format		Plug-in modular box
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
TECHNOLOGY		MOV
NETWORK CONFIGURATION		2 pole, 2W+G, Single/Spilt Phase
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
SPARE PART		DSM40-480
Standards		
Certification		CSA / UL Listed
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA, VZCA7
UL FILE NUMBER		E326289
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS
Part number		
331011		

