



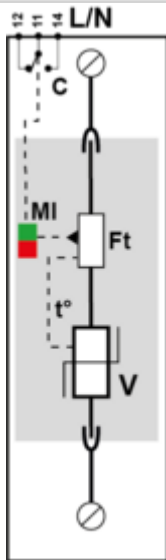
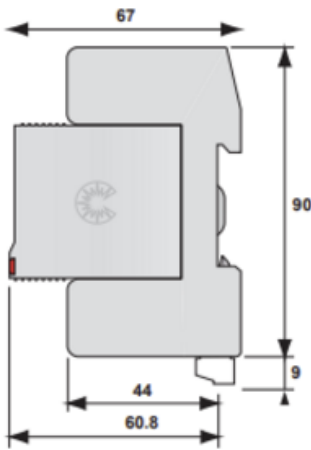
# UL TYPE 1 SPD - I<sub>max</sub> 40kA - I<sub>n</sub> 20kA - Modular

# CITEL

## DS41S-480



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



N/PE

Electrical Characteristics		
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total	40 kA
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 <sub>N</sub> 15 impulses 8/20μs	(kA)	20
SCCR	(kA)	100
I <sub>MAX</sub> 8/20μs	(kA)	40
I <sub>imp</sub> 10/350μs	(kA)	4
Option		
Remote status dry contact electrical rating <i>Max Voltage</i>	V	250.0000
Remote status dry contact electrical rating <i>Max Current</i>	A	0.5000
RFI Filter		no
Installation		
Wiring type		Screw
Solid wire cross section <i>Min</i>	mm <sup>2</sup>	2.5000
Solid Wire cross section <i>Max</i>	mm <sup>2</sup>	35.0000
Stranded Wire cross section <i>Min</i>	mm <sup>2</sup>	2.5000
Stranded wire cross section <i>Max</i>	mm <sup>2</sup>	25.0000
Wire gauge <i>Min</i>	AWG	13.0000
Wire gauge <i>Max</i>	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 <i>Min</i>	°C	-40.0000
Operating Temperature <i>Max</i>	°C	85.0000
Operating Temperature <i>Min</i>	°F	-40.0000
Operating Temperature <i>Max</i>	°F	85.0000
Operating Relative Humidity <i>Max</i>	%RH	95
Operating Altitude <i>Min</i>	Ft	2000.0000
Operating Altitude <i>Max</i>	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 <i>L</i>	mm	99.0000
Product Dimension <i>H</i>	mm	67.0000
Product Dimension <i>W</i>	mm	18.0000
Product Dimension <i>L</i>	In	3.8900
Product Dimension <i>H</i>	In	2.6400
Product Dimension <i>W</i>	In	0.7100

DS41S-480

Miscellaneous		
Individual Pack		Yes
Storage Temperature <sub>Min</sub>	°C	-40.0000
Storage Temperature <sub>Max</sub>	°C	85.0000
Storage Temperature <sub>Min</sub>	°F	-40.0000
Storage Temperature <sub>Max</sub>	°F	85.0000
Storage Relative Humidity <sub>Max</sub>	%RH	95.0000
Mechanical Characteristics		
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Weight		0.115 kg
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		