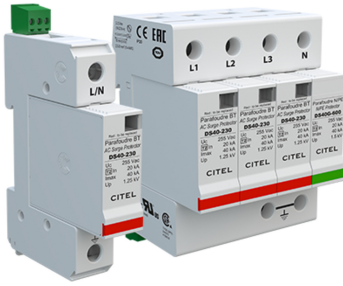




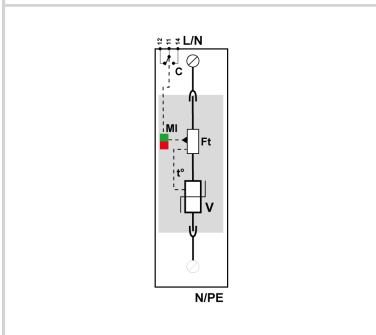
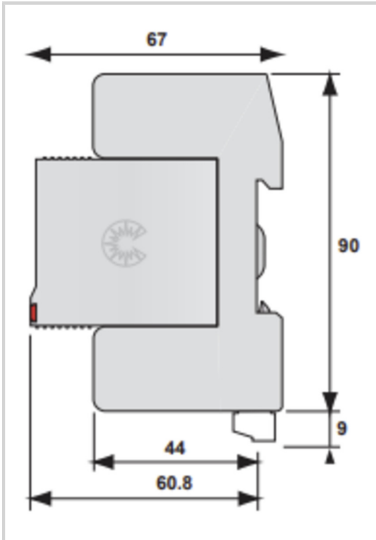
# CITEL

## UL TYPE 1 SPD - I<sub>max</sub> 40kA - I<sub>n</sub> 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 <sub>n</sub>	480 V
Max. AC operating voltage	U <sub>c</sub>	530 Vac
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total	40 kA
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)	-40
AMBIENT MAX	(C)	+85
MODES		L-G
VPR	(V)	-/-/1800/-
MCOV	(V)	550
I <sub>N</sub> <i>15 impulses 8/20μs</i>	(kA)	20
SCCR	(kA)	100
I <sub>MAX</sub> <i>8/20μs</i>	(kA)	40
I <sub>imp</sub> <i>10/350μs</i>	(kA)	4
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 <sup>2</sup> 2.5000
Solid Wire cross section	Max	mm <sup>2</sup> 35.0000
Stranded Wire cross section	Min	mm <sup>2</sup> 2.5000
Stranded wire cross section	Max	mm <sup>2</sup> 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<sub>max</sub> 40kA - In 20kA - Modular

### DS41S-480

Product DimensionL	In	3.8900
Product DimensionH	In	2.6400
Product DimensionW	In	0.7100
<b>Miscellaneous</b>		
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
<b>Mechanical Characteristics</b>		
Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
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 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
<b>Standards</b>		
Certification		CSA / UL Listed
Environmental standards		EU RoHS
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA, VZCA7
UL FILE NUMBER		E326289
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
<b>Part number</b>		
<b>331011</b>		

