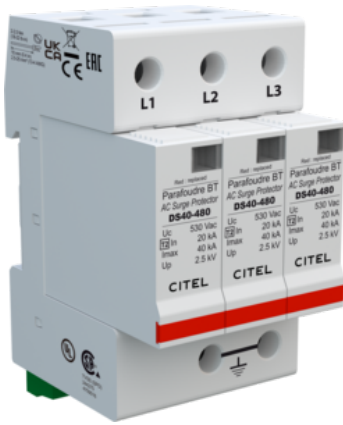




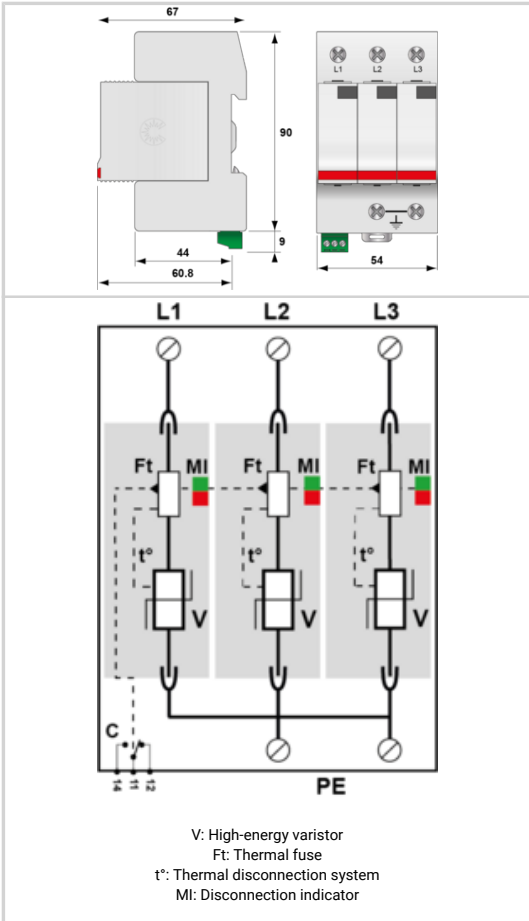
# UL TYPE 1 SPD - I<sub>max</sub> 40kA - I<sub>n</sub> 20kA - Modular

# CITEL

## DS43S-480



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



Electrical Characteristics	
Network	800 V 3-phase
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total 120 kA
Protection mode(s)	Common mode
POWER SPD TYPE	UL1449 TYPE 1 LISTED
VOLTS	(V) 480
AC/DC/DC PV/RF	AC
PHASE	(PH) 3D
AMPS	(A) N/A
AMBIENT MIN	(C) -35
AMBIENT MAX	(C) +60
MODES	L-L, L-G
VPR	(V) 4000/-/1800/-
MCOV	(V) 550/-/550/-
IN	(kA) 20
15 impulses 8/20μs	
SCCR	(kA) 100
IMAX	(kA) 40
8/20μs	
Iimp	(kA) 4
10/350μs	
Option	
RFI Filter	no
Installation	
Wiring type	Screw
Solid wire cross section <sub>Min</sub>	mm <sup>2</sup> 2.5000
Solid Wire cross section <sub>Max</sub>	mm <sup>2</sup> 35.0000
Stranded Wire cross section <sub>Min</sub>	mm <sup>2</sup> 2.5000
Stranded wire cross section <sub>Max</sub>	mm <sup>2</sup> 25.0000
Wire gauge <sub>Min</sub>	AWG 13.0000
Wire gauge <sub>Max</sub>	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 <sub>Min</sub>	°C -40.0000
Operating Temperature <sub>Max</sub>	°C 85.0000
Operating Temperature <sub>Min</sub>	°F -40.0000
Operating Temperature <sub>Max</sub>	°F 85.0000
Operating Relative Humidity <sub>Max</sub>	%RH 95
Operating Altitude <sub>Min</sub>	Ft 2000.0000
Operating Altitude <sub>Max</sub>	Ft 6500.0000
Housing/Enclosure material	Thermoplastic
Flammability rating <sub>UL 94</sub>	V0
Mounting	Din Rail
IP Environmental rating <sub>IP</sub>	IP20
NEMA Environmental rating <sub>NEMA</sub>	NEMA 1
Installation Location	Indoor
Spare part	Module
Product Dimension <sub>L</sub>	mm 99.0000
Product Dimension <sub>H</sub>	mm 67.0000
Product Dimension <sub>W</sub>	mm 54.0000
Product Dimension <sub>L</sub>	In 3.8900
Product Dimension <sub>H</sub>	In 2.6400
Product Dimension <sub>W</sub>	In 2.1300
Miscellaneous	

DS43S-480

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
Failsafe mode		Disconnection from AC network
Weight		0.31 kg
TECHNOLOGY		MOV
NETWORK CONFIGURATION		3PH, 3W+G, Delta
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
WEIGHT		0.90 lbs
SPARE PART		DSM40-480
<b>Standards</b>		
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
<b>Part number</b>		
461017		