



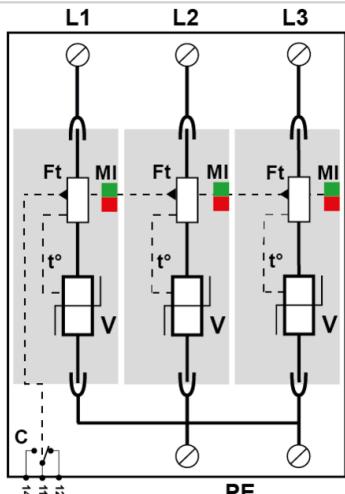
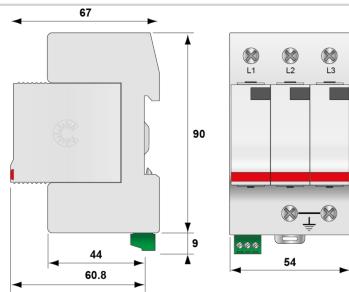
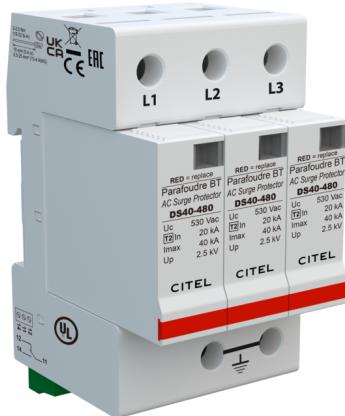
**CITEL**

UL TYPE 1 SPD - Imax 40kA - In 20kA - Modular

DS43S-480

## TRANS. VOLTAGE SURGE SUPPRESSOR

TAGS: DS43S-480



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

### Electrical Characteristics

Network	800 V 3-phase	
Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	Imax 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 15 impulses 8/20 $\mu$ s	(kA)	20
SCCR	(kA)	100
IMAX 8/20 $\mu$ s	(kA)	40
Imp 10/350 $\mu$ s	(kA)	4
Option		
RFI Filter	no	
Installation		
Wiring type	Screw	
Solid wire cross sectionMin	mm <sup>2</sup>	2.5000
Solid Wire cross sectionMax	mm <sup>2</sup>	35.0000
Stranded Wire cross sectionMin	mm <sup>2</sup>	2.5000
Stranded wire cross sectionMax	mm <sup>2</sup>	25.0000
Wire gaugeMin	AWG	13.0000
Wire gaugeMax	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 TemperatureMin	°C	-40.0000
Operating TemperatureMax	°C	85.0000
Operating TemperatureMin	°F	-40.0000
Operating TemperatureMax	°F	85.0000
Operating Relative HumidityMax	%RH	95
Operating AltitudeMin	Ft	2000.0000
Operating AltitudeMax	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability ratingUL 94		V0
Mounting		Din Rail
IP Environmental ratingIP		IP20
NEMA Environmental ratingNEMA		NEMA 1
Installation Location		Indoor
Spare part		Module
Product DimensionL	mm	99.0000
Product DimensionH	mm	67.0000
Product DimensionW	mm	54.0000
Product DimensionL	In	3.8900
Product DimensionH	In	2.6400
Product DimensionW	In	2.1300
Miscellaneous		
Individual Pack	Yes	
Storage TemperatureMin	°C	-40.0000
Storage TemperatureMax	°C	85.0000
Storage TemperatureMin	°F	-40.0000



## DS43S-480

Storage TemperatureMax	°F	85.0000
Storage Relative HumidityMax	%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
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		UL
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		

