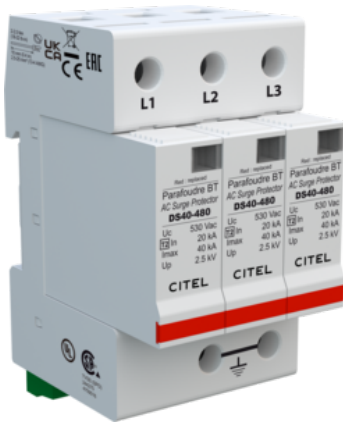




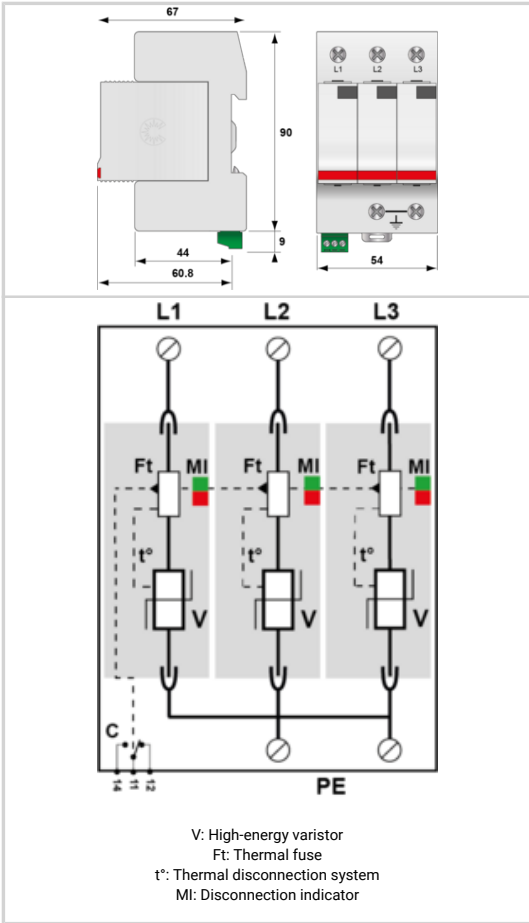
UL TYPE 1 SPD - I_{max} 40kA - I_n 20kA - Modular

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 _{max} 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 _{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 54.0000
Product Dimension _L	In 3.8900
Product Dimension _H	In 2.6400
Product Dimension _W	In 2.1300
Miscellaneous	

DS43S-480

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
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
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		
461017		