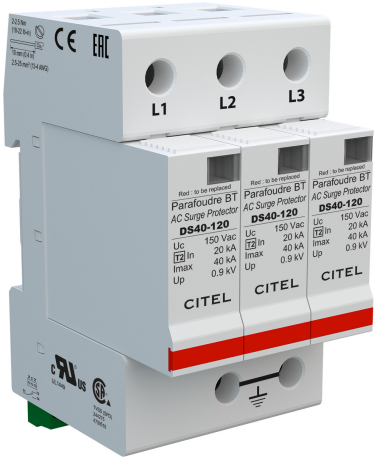
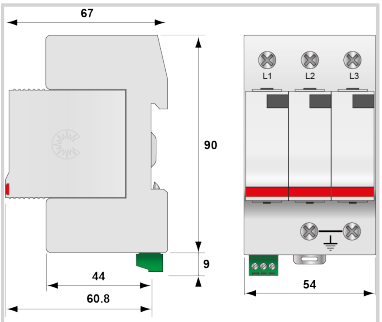
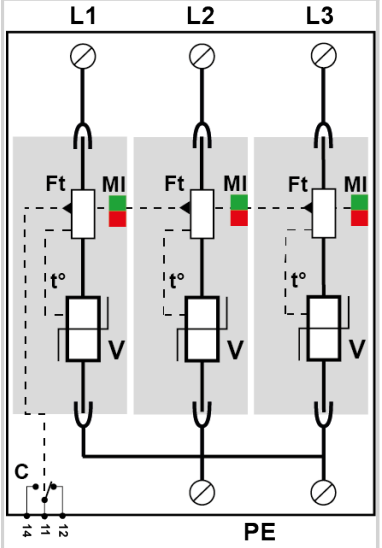
DS43S-120



Type 2 AC Multipolar surge protector

- In : 20 kA
- Imax total : 40 kA
- Pluggable module for each phase
- Remote signaling option
- NF EN 61643-11, CEI 61643-11 complianc





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

Electrical Characteristics		
Network		120/208 V
Nominal line voltage	Un	120 Vac
Max. AC operating voltage	Uc	150 Vac
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	120 kA
Connection mode(s)		L/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	0.6 kV
POWER SPD TYPE		UL1449 5th Ed. TYPE 4CA
VOLTS	(V)	240/120
AC/DC/DC PV/RF		AC
PHASE	(PH)	1S
AMPS	(A)	N/A
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
MODES		L-L, L-N, L-G, N-G
MLV	(V)	1960/-/1240/-
MCOV	(V)	300/-/150/-
IN *15 impulses 8/20µs*	(kA)	20
SCCR	(kA)	n/a
IMAX *8/20µs*	(kA)	40
Iimp *10/350µs*	(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*	mm²	2.5000
Solid Wire cross section*Max*	mm²	35.0000
Stranded Wire cross section*Min*	mm²	2.5000
Stranded wire cross section*Max*	mm²	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

DS43S-120

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
Miscelaneous		
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: 2.5-25mm² / 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		1PH, 3W+G, Split 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
WEIGHT		0.90 lbs
SPARE PART		DSM40-120
Standards		
Certification		cRUus
Environmental standards		EU RoHS
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA2, VZCA8
UL FILE NUMBER		E326289
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number		
461623		