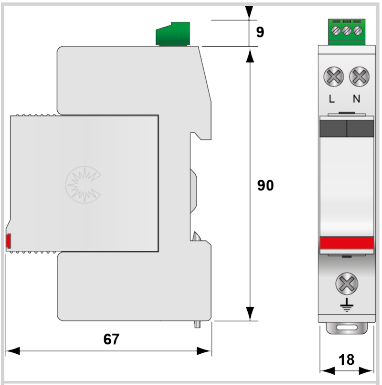
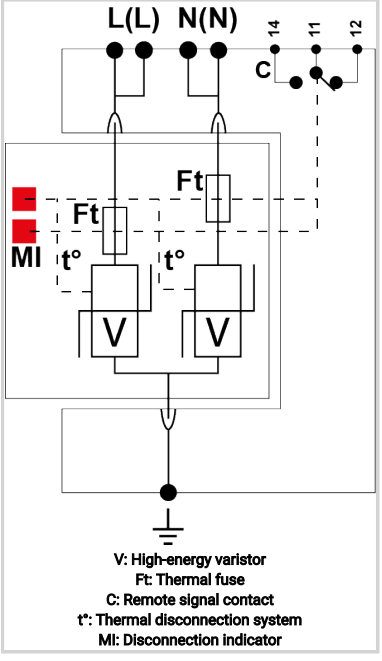
DS240S-400

- MOV Technology
- UL1449 Type 4CA
- 40kA Surge Current Rating
- Visual fault indicator and remote contacts
- 10-Year warranty





Electrical Characteristics		
Network		230/400V
Nominal line voltage	Un	400 Vac
Max. AC operating voltage	Uc	440 Vac
Max. load current *if series connection*	IL	20 A
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	80 kA
Connection mode(s)		L/PE and N/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	1.3 kV
POWER SPD TYPE		UL1449 5th Ed. TYPE 4CA
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-G, L-N, N-G
MLV	(V)	3740/-/2410/-
MCOV	(V)	600/-/400/-
IN *15 impulses 8/20µs*	(kA)	20
SCCR	(kA)	n/a
IMAX *8/20µs*	(kA)	40
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	1.5000
Solid Wire cross section*Max*	mm²	16.0000
Stranded Wire cross section*Min*	mm²	1.5000
Stranded wire cross section*Max*	mm²	10.0000
Wire gauge*Min*	AWG	15.0000
Wire gauge*Max*	AWG	5.0000
Torque	Nm	1.2-1.5
Torque	in-lbs	10.6-13.3
Strip Length	mm	16.0000
Strip Length	in	0.6300
Operating Temperature*Min*	°C	-40.0000

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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		Rail Din
IP Environmental rating*IP*		IP20
Installation Location		Indoor / outdoor
Spare part		Module
Product Dimension*L*	mm	90.0000
Product Dimension*H*	mm	67.0000
Product Dimension*W*	mm	18.0000
Product Dimension*L*	In	3.5400
Product Dimension*H*	In	2.6300
Product Dimension*W*	In	0.7100
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: 1.5-10mm² (L/N) or 2.5-25mm² (PE)
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, 2W+G, Single Phase (or 2PH, 2W+G, Two Phase)
CONNECTION METHOD		Screw Terminal, 15-5AWG Solid Wire, 15-7AWG Stranded Wire
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		0.30 lbs
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		
311411		