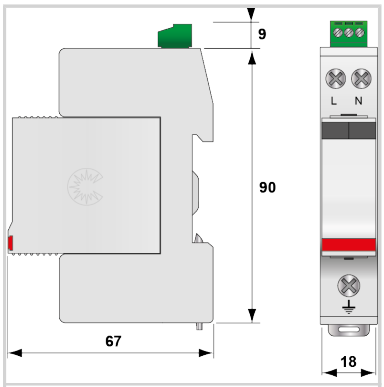
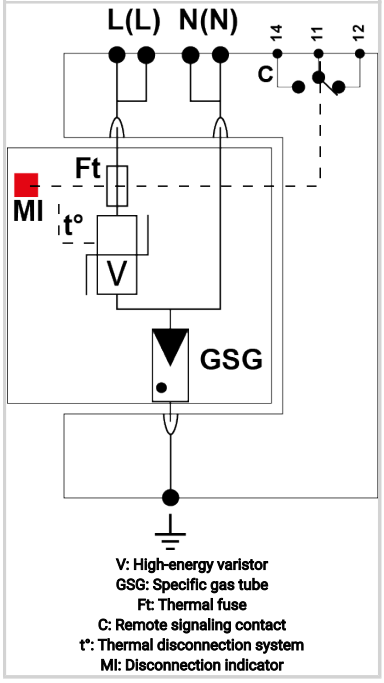
DS240S-230/G-Ex



- UL121201 Hazardous Locations
- MOV+GSG Technology
- UL1449 TYPE 4CA
- 40kA Surge Current Rating per module
- Visual fault indicator and remote contacts
- 10-Year warranty





V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
Network		230/400V
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	255 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	40 kA
Protection mode(s)		Common/Differential mode
Residual voltage at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	1.5/0.9 kV
POWER SPD TYPE		UL1449 5th Ed. TYPE 4CA
VOLTS	(V)	400/230
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)	-/1790/2240/1480
MCOV	(V)	-/255/255/255
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

DS240S-230/G-Ex

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+GSG
NETWORK CONFIGURATION		2 pole, 2W+G, Single/Spilt 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 & UL121201
UL CATEGORY		VZCA2, VZCA8, VZCH, VZCH7
UL FILE NUMBER		E326289, E527348
UL121201 HAZARDOUS LOCATION		Class I, Division 2, Groups A, B, C & D: Operating. Temp. T5
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number		
897009		