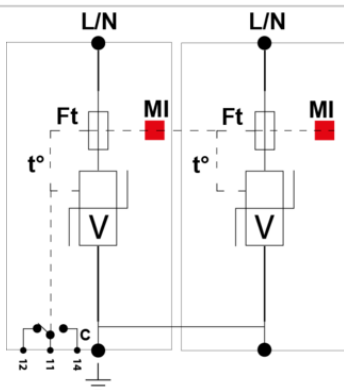
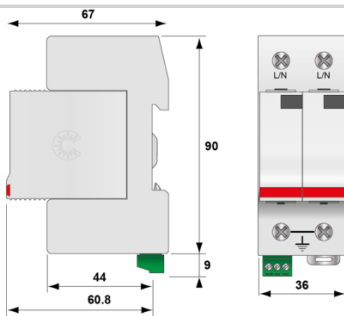


DS42S-120



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



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

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)	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)		VO
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	36.0000
Product Dimension (L)	In	3.8900
Product Dimension (H)	In	2.6400
Product Dimension (W)	In	1.4200
Miscellaneous		
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
Electrical Characteristics		
Total Maximum discharge current (max. total withstand @ 8	I _{max}	

DS42S-120

/20 μs)	Total	80 kA
Protection mode(s)		Common mode
POWER SPD TYPE		UL1449 TYPE 4CA
VOLTS	(V)	240/120
AC/DC/DC PV/RF		AC
PHASE	(PH)	1S
AMPS	(A)	n/a
AMBIENT MIN	(C)	-35
AMBIENT MAX	(C)	+60
MODES		L-L, L-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
Mechanical Characteristics		
TECHNOLOGY		MOV
NETWORK CONFIGURATION		1PH, 2W+G, Single Phase (or 2PH, 2W+G, Two Phase)
CONNECTION METHOD		Screw Terminal (8-12AWG)
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 (mm)
WEIGHT		0.60 lbs
SPARE PART		DSM40-120
Standards		
Certification		UL / EAC / TUV
UL STANDARD		UL1449 4th Edition
UL CATEGORY		VZCA2, VZCA8
UL FILE NUMBER		E326289
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS
Part number		
461621		

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