



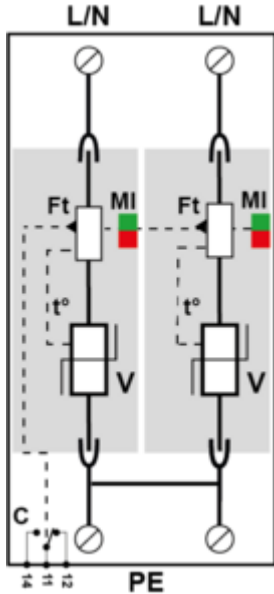
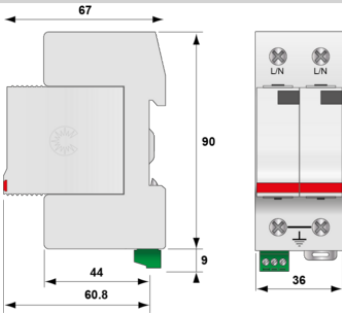
# UL121201 Hazardous Locations- I<sub>max</sub> 40kA - In 20kA - Modular

# CITEL

## 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

Electrical Characteristics	
Protection mode(s)	Common mode
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) -35
AMBIENT MAX	(C) +60
MODES	L-L, L-G
MLV	(V) 1960/-/1240/-
MCOV	(V) 300/-/150/-
IN	(kA) 20
15 impulses 8/20 $\mu$ s	
SCCR	(kA) n/a
IMAX	(kA) 40
8/20 $\mu$ s	
Iimp	(kA) 4
10/350 $\mu$ s	
Option	
Remote status dry contact electrical ratingMax Voltage	V 250.0000
Remote status dry contact electrical ratingMax Current	A 0.5000
RFI Filter	no
Installation	
Wiring type	Screw
Solid wire cross sectionMin	mm <sup>2</sup> 2.5000
Solid Wire cross sectionMax	mm <sup>2</sup> 35.0000
Stranded Wire cross sectionMin	mm <sup>2</sup> 2.5000
Stranded wire cross sectionMax	mm <sup>2</sup> 25.0000
Wire gaugeMin	AWG 13.0000
Wire gaugeMax	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 TemperatureMin	°C -40.0000
Operating TemperatureMax	°C 85.0000
Operating TemperatureMin	°F -40.0000
Operating TemperatureMax	°F 85.0000
Operating Relative HumidityMax	%RH 95
Operating AltitudeMin	Ft 2000.0000
Operating AltitudeMax	Ft 6500.0000
Housing/Enclosure material	Thermoplastic
Flammability ratingUL 94	V0
Mounting	Din Rail
IP Environmental ratingIP	IP20
NEMA Environmental ratingNEMA	NEMA 1
Installation Location	Indoor
Spare part	Module
Product DimensionL	mm 99.0000
Product DimensionH	mm 67.0000
Product DimensionW	mm 36.0000
Product DimensionL	In 3.8900
Product DimensionH	In 2.6400
Product DimensionW	In 1.4200
Miscellaneous	
Individual Pack	Yes

DS42S-120

Storage Temperature <sub>Min</sub>	°C	-40.0000
Storage Temperature <sub>Max</sub>	°C	85.0000
Storage Temperature <sub>Min</sub>	°F	-40.0000
Storage Temperature <sub>Max</sub>	°F	85.0000
Storage Relative Humidity <sub>Max</sub>	%RH	95.0000
<b>Mechanical Characteristics</b>		
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
TECHNOLOGY		MOV
NETWORK CONFIGURATION		1PH, 2W+G, Single Phase (or 2PH, 2W+G, Two 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		0.60 lbs
SPARE PART		DSM40-120
<b>Standards</b>		
Certification		CSA / UL Listed
UL STANDARD		UL1449 5th Edition
UL CATEGORY		VZCA2, VZCA8
UL FILE NUMBER		E326289
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS
<b>Part number</b>		
461621		