

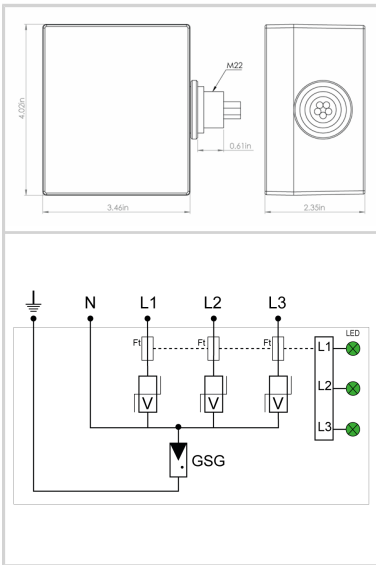


# CITEL



## M50F-120Y-A

- Hybrid MOV-GSG Technology
- UL1449 Type 2 LISTED
- 50kA Surge Current Rating per mode
- Extended life with no leakage current
- Visual LED fault indicator and audible alarm
- NEMA 6 (exceeds NEMA 4X or 4)
- UL1283 Filter
- 10-Year warranty



### Electrical Characteristics

Network		120/208 V
Nominal line voltage	Un	120 Vac
Max. AC operating voltage	Uc	150 Vac
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	50 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I <sub>max</sub> Total	50 kA
Protection level L/N <i>@ In (8/20μs)</i>	Up L/N	1200 V
Let through Voltage <i>Ures at 20kA</i>	V	1500.0000
POWER SPD TYPE		UL1449 TYPE 2 LISTED
VOLTS	(V)	120/208
AC/DC/DC PV/RF		AC
PHASE	(PH)	3Y
AMPS	(A)	N/A
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+80
MODES		L-L, L-N, L-G, N-G
VPR	(V)	1200/700/1200/1200
MCOV	(V)	280/140/140/120
IN <i>15 impulses 8/20μs</i>	(kA)	20
SCCR	(kA)	150
IMAX <i>8/20μs</i>	(kA)	50

### Option

RFI Filter		Yes
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### Installation

Operating Temperature <sub>Min</sub>	°C	-40.0000
Operating Temperature <sub>Max</sub>	°C	85.0000
Operating Temperature <sub>Min</sub>	°F	-40.0000
Operating Temperature <sub>Max</sub>	°F	85.0000
Operating Relative Humidity <sub>Max</sub>	%RH	Can be submerged
Operating Altitude <sub>Min</sub>	Ft	2000.0000
Operating Altitude <sub>Max</sub>	Ft	6500.0000
Housing/Enclosure material		Aluminum cast
Mounting		Side mount
IP Environmental rating/IP		IP66
NEMA Environmental rating/NEMA		NEMA 6
Installation Location		Indoor / outdoor
Accessories		brackets
Product Dimension <sub>L</sub>	mm	102.0000
Product Dimension <sub>H</sub>	mm	62.0000
Product Dimension <sub>W</sub>	mm	88.0000
Product Dimension <sub>L</sub>	In	4.0160
Product Dimension <sub>H</sub>	In	2.4410
Product Dimension <sub>W</sub>	In	3.4650

### Miscellaneous

Individual Pack		Yes
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

### Mechanical Characteristics

Connection to Network		By wire 15 AWG (1.5mm <sup>2</sup> ). long. 600mm
Mounting		Bulkhead (3/4")
Operating temperature	Tu	-40/+85°C



# CITEL

## M50F-120Y-A

Protection rating	IP66
TECHNOLOGY	MOV-GSG
NETWORK CONFIGURATION	3PH, 4W+G, Wye
CONNECTION METHOD	36" #12 AWG LEADS
MOUNTING	SIDE MOUNT, THREADED M22 (1/2" NPT ADAPTER)
MATERIAL	Aluminum cast
NEMA RATING (IP RATING)	6
FAIL-SAFE BEHAVIOR	Yes, no upstream over current protection required
REAL-TIME DIAGNOSTICS	LED and audible alarm
DIMENSIONS	See diagram
WEIGHT	2.5 lbs.
<b>Standards</b>	
Environmental standards	EU RoHS
UL STANDARD	UL1449 5th Edition
UL CATEGORY	VZCA, VZCA7
UL FILE NUMBER	E326289
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
<b>Part number</b>	
<b>750101</b>	

