

# Product Data Sheet



## 1MS102

### Semi Conductor Fuse Holder 400 Amps, 600 Volts AC/DC



#### Wire Range:

(2) 250 kcmil - #6 AWG Copper or Aluminum

#### Electrical Ratings:

- 400A max (amperage rating based on maximum fuse rating for that physical size)
- 600 Volts AC/DC
- Approved for 200,000 Amp Withstand Rating

#### Mechanical Ratings:

- Insulator base temperature rating: -40°C/F to 150°C (302°F) UL RTI
- Flammability rating of insulator base: UL 94 V-0
  - Use outside these ratings needs to be judged in the end-use application.

#### Materials:

- Connector: High conductivity aluminum, tin plated
- Insulator base: General Phenolic
- Terminal set screws: Aluminum, tin plated and Steel, nickel plated
- Connector mounting screws: Steel, zinc plated
- Hex-head bolts: Steel, nickel plated (provided unassembled)
- Belleville washers: Steel, zinc plated (provided unassembled)

#### Agency Approvals:

- UL Recognized, Fuseholder standards UL 4248-1 and 4248.1-07
- UL File No. IZLT2.E35113
- cURus
- CE compliant to IEC 60947-1
- RoHS Compliant

**Wire Range:**

Wire Size	Torque		Copper Wire Stranding Classes - Number of Conductors		
	N-m	In. lbs	Solid	Class B	Class C
250 kcmil	31.1	275		1	1
4/0	31.1	275		1	1
3/0	31.1	275		1	1
2/0	31.1	275		1	1
1/0	31.1	275		1	1
1	31.1	275		1	1
2	31.1	275		1	1
4	31.1	275		1	1
6	31.1	275		1	1

Aluminum stranded wire range: 250 kcmil – #6 AWG

- Recommended fuse torque (on bolt): 13.6 N-m (120 in. lbs.)
- Wire strip length: 1 1/8"
- Hex key required: 3/8"

**Mounting:**

- Panel mountable: #10 fastener, Torque to 2.8 - 3.4 N-m (25-30 in. lbs)

MOUNTING DIMENSIONS				
FUSE	A REF.	B REF.	C	±.03
L15S 61-450*	1.99	0.24	6.50	
L25S 61-200	2.38	0.63	6.88	
JLLS 110-200	2.50	0.75	7.00	
L60S 101-200	3.66	1.91	8.16	
L50S 101-200	2.88	1.13	7.38	

\* CURRENT RATING FOR IMS102 IS 400 AMPS.

