

## SEMI CONDUCTOR FUSE HOLDER

# 1MS103



### 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 Rating:

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

### Agency Compliance

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

### Material Information

- 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)

**Wire Range**

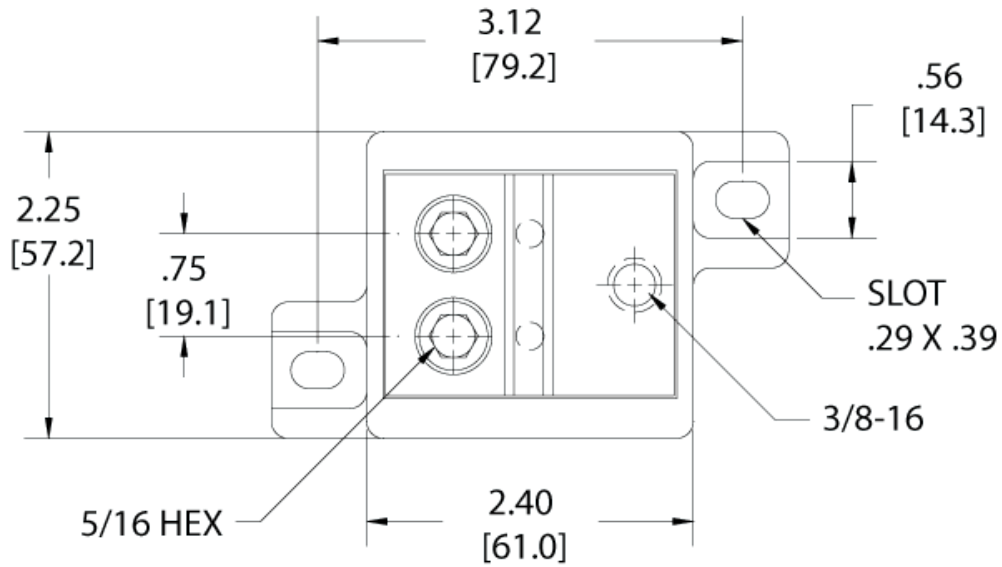
Wire Size	Torque		Copper Wire Stranding Classes - Number of Strands		
	N-m	Ln.lbs	Solid	Class B	Class C
250 kcmil	31.1	275	-	1	1
4/0	31.1	275	-	1	1
3/0	31.1	275	-	1	1
2/0	31.1	275	-	1	1
1/0	31.1	275	-	1	1
1	31.1	275	-	1	1
2	31.1	275	-	1	1
4	31.1	275	-	1	1
6	31.1	275	-	1	1

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: 1/4" (M6) fastener, mounting torque to be determined in end-use application. Not to exceed 30 lbf. (3.4 N-m)



Mounting Dimensions			
Fuse	A	B	C
FBP 125-200	3.06	1.47	7.72
FBP 250-400*	4.03	2.44	8.70
L50S 201-400	3.28	1.69	7.94
L70S 101-200	4.03	2.44	8.69
L70S 201-400*	4.03	2.44	8.69
L25S 201-700**	2.78	1.19	7.44
JLLN 225-400	1.84	0.25	6.50
JLLN 225-400	2.72	1.13	7.38
KLC 101-200	4.35	2.76	9.01
L25S 61-200	2.78	1.19	7.44
L60S 225-400	4.06	2.47	8.73
L50S 225-400	3.38	1.69	7.94

\* When used in multiple pole configurations, 0.75" should be maintained between adjacent block bases when mounting the fuses FBP-250 to 400 and L70S-201 to 400.

\*\*Current Rating for 1MS103 is 400 Amps.