

## DC AMMETER SHUNTS

### FI SERIES BUSBAR SHUNT

#### KEY FEATURES

- Current Ratings  
300-1200 Amps
- 50mV, 100mV or custom  
output
- $\pm 0.25\%$  Manganin Resistive  
Element

TE Connectivity's (TE) Crompton Instruments FI range of lightweight shunts offers accurate millivolt conversion of primary DC system currents. They can be used to drive indicators, overload protection and control devices in the range of 300 - 1200 Amps DC.

The FI range of shunts are supplied without and base.

Ample ventilation should be applied to all applications. Shunts are supplied with bolts, Nuts and Washers to provided suitable installation.

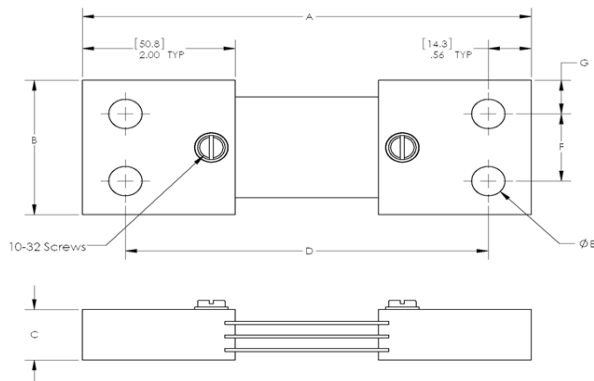
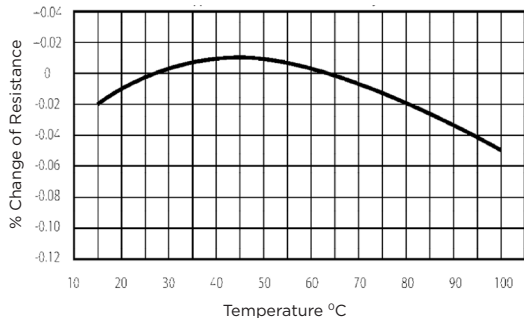
Shunts are supplied without insulation. Protection from accidental contact may be necessary to comply with local Safety Regulations.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

# DC AMMETER SHUNTS - FI SERIES



Manganin Temperature Coefficient of Resistance = 15PPM/C  
\*Applies to resistance element only



## SPECIFICATION AND DIMENSIONS

P/N	Rated Current (A)	Rated Output (mV)	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G
FI-300-50	300	50	5.875 (149.2)	1.75 (44.5)	0.5 (12.7)	4.75 (120.7)	0.438 (11.1)	1.0 (25.4)	0.375 (9.5)
FI-400-50	400	50	5.875 (149.2)	2.0 (50.8)	0.75 (19.1)	4.75 (120.7)	0.438 (11.1)	1.25 (31.8)	0.375 (9.5)
FI-500-50	500	50	5.875 (149.2)	2.0 (50.8)	0.75 (19.1)	4.75 (120.7)	0.438 (11.1)	1.25 (31.8)	0.375 (9.5)
FI-600-50	600	50	5.875 (149.2)	2.0 (50.8)	0.75 (19.1)	4.75 (120.7)	0.438 (11.1)	1.25 (31.8)	0.375 (9.5)
FI-750-50	750	50	5.875 (149.2)	2.25 (57.2)	0.75 (19.1)	4.75 (120.7)	0.438 (11.1)	1.5 (38.1)	0.375 (9.5)
FI-800-50	800	50	5.875 (149.2)	2.375 (60.3)	0.75 (19.1)	4.75 (120.7)	0.438 (11.1)	1.5 (38.1)	0.438 (11.1)
FI-1000-50	1000	50	5.875 (149.2)	2.5 (63.5)	1.0 (25.4)	4.75 (120.7)	0.438 (11.1)	1.5 (38.1)	0.5 (12.7)
FI-1200-50	1200	50	5.875 (149.2)	2.875 (73.0)	1.0 (25.4)	4.75 (120.7)	0.438 (11.1)	1.5 (38.1)	0.688 (17.5)
FI-300-100	300	100	7.75 (196.9)	1.75 (44.5)	0.5 (12.7)	6.625 (168.3)	0.438 (11.1)	1.0 (25.4)	0.375 (9.5)
FI-400-100	400	100	7.75 (196.9)	2.0 (50.8)	0.75 (19.1)	6.625 (168.3)	0.438 (11.1)	1.25 (31.8)	0.375 (9.5)
FI-500-100	500	100	7.75 (196.9)	2.0 (50.8)	0.75 (19.1)	6.625 (168.3)	0.438 (11.1)	1.25 (31.8)	0.375 (9.5)
FI-600-100	600	100	7.75 (196.9)	2.0 (50.8)	0.75 (19.1)	6.625 (168.3)	0.438 (11.1)	1.25 (31.8)	0.375 (9.5)
FI-750-100	750	100	7.75 (196.9)	2.25 (57.2)	0.75 (19.1)	6.625 (168.3)	0.438 (11.1)	1.5 (38.1)	0.375 (9.5)
FI-800-100	800	100	7.75 (196.9)	2.375 (60.3)	0.75 (19.1)	6.625 (168.3)	0.438 (11.1)	1.5 (38.1)	0.438 (11.1)
FI-1000-100	1000	100	7.75 (196.9)	2.5 (63.5)	1.0 (25.4)	6.625 (168.3)	0.438 (11.1)	1.5 (38.1)	0.5 (12.7)
FI-1200-100	1200	100	7.75 (196.9)	2.875 (73.0)	1.0 (25.4)	6.625 (168.3)	0.438 (11.1)	1.5 (38.1)	0.688 (17.5)

## TECHNICAL PARAMETERS

Rated Output	50mV, 100mV & Custom
Voltage Tolerance	±0.25% Standard
Operating Temperature	30°C to 70°C
Storage Temperature	-55°C to 80°C
Materials	Resistance Element: Manganin Terminal Block: Brass Hardware: Brass

## ORDERING INFORMATION

Description	Part Number
DC Shunt, 750A, 50mV	FI-750-50
DC Shunt, 1000A, 100mV	FI-1000-100
<b>Part Description: Part Type - Rated Current - Voltage Output (mV) Example: FI-750-50</b>	

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