



DC AMMETER SHUNTS

FN SERIES BUSBAR SHUNT

KEY FEATURES

- Base Mounted
- Current Ratings 1-500 Amps
- 50mV, 100mV or custom output
- $\pm 0.1\%$ Manganin Resistive Element

TE Connectivity's (TE) Crompton Instruments FN 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 1 - 500 Amps DC.

All FN shunts are base mounted.

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

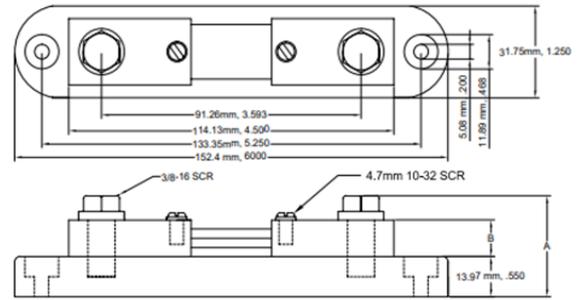
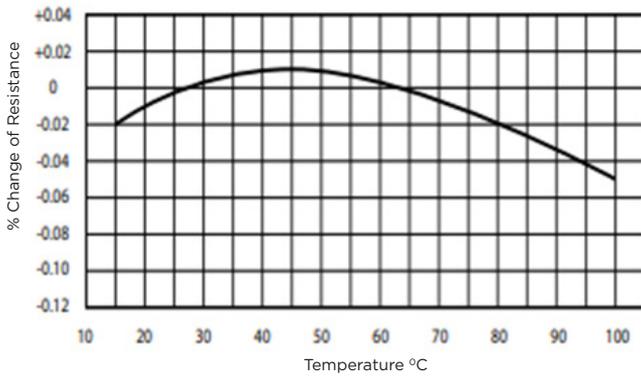
Shunts are supplied without insulation. Protection from accidental contact may be necessary to comply with local Safety Regulations.

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

DC AMMETER SHUNTS - FN SERIES



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



Current Rating	A	B
1A - 200A	1.38" (35.1mm)	0.50" (12.7mm)
250A - 500A	1.63" (41.4mm)	0.75" (19.1mm)

SPECIFICATION AND DIMENSIONS

P/N	Rated Current (A)	Operating Current (A)	Resistance (mΩ) 50mV Output	Resistance (mΩ) 100mV Output
FN-1-**	1	.667	50	100
FN-5-**	5	1.33	25	50
FN-10-**	10	6.67	5.00	10.00
FN-15-**	15	10	3.33	6.67
FN-20-**	20	13.3	2.50	5.00
FN-25-**	25	16.7	2.00	4.00
FN-30-**	30	20	1.67	3.33
FN-35-**	35	23.3	1.43	2.86
FN-50-**	50	33.3	1.00	2.00
FN-60-**	60	40	0.83	1.67
FN-75-**	75	50	0.67	1.33
FN-100-**	100	66.7	0.50	1.00
FN-150-**	150	100	0.33	0.67
FN-200-**	200	133.3	0.20	0.50
FN-250-**	250	166.7	0.20	0.40
FN-300-**	300	200	0.17	0.33
FN-400-**	400	266.7	0.13	0.20
FN-500-**	500	333.3	0.10	0.20

TECHNICAL PARAMETERS

Rated Output	50mV, 100mV & Custom
Voltage Tolerance	±0.1% Standard
Operating Temperature	30°C to 70°C
Storage Temperature	-55°C to 80°C
Dielectric Strength	750VDC (Terminal Block to Base)
Materials	Resistance Element: Manganin Terminal Block: Brass Hardware: Brass Base: High Temperature Thermoplastic

ORDERING INFORMATION

Description	Part Number
DC Shunt, 60A, 50mV	FN-60-50
DC Shunt, 300A, 100mV	FN-300-100
DC Shunt, 75A, 50mV	FN-75-50

Part Description: Part Type - Rated Current - Voltage Output (mV) Example: FN-60-50

COMMON APPLICATIONS

Power Supply
Power Converters
Current Measurements

te.com/energy

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