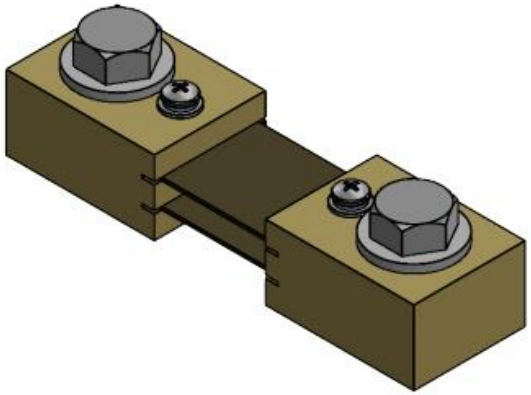
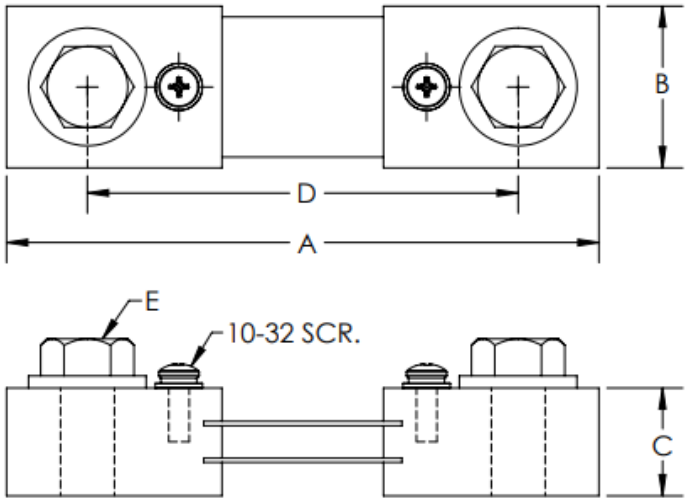
Dimensions in Inches, Tolerances: ±.015 for hole diameters.
Other tolerances ±.030 unless otherwise noted.
Dimensions are subject to change without notice.

DC AMMETER SHUNT
SERIES 212

FEATURES

- Measuring range: 100A to 600A
- Output: 50mV
- Composed of manganin and either brass (for shunts rated below 10,000A) or copper (for shunts rated 10,000A and higher)
- Constant current distribution to shunt strips
- Terminal blocks are slotted to receive one-quarter (1/4) inch bar per slot
- STD Accuracy ±0.25% (0.1% available upon request.)





RECOMMENDATIONS

- Shunts should be mounted on the grounded side of the circuit (or mounted on the grounded side of circuits above 750 volts for panel mounted shunts with insulated bases.)
- Shunts should run for no more than two-thirds (2/3) the rated current under normal conditions as per AIEEE standards.
- The manganin shunt strip must not exceed 145°C, as this will cause permanent change in resistance.
- If longer lead lengths are necessary, the additional IR (millivolt) drop in the leads must be taken into consideration when ordering instruments.
- Shunts may be connected (without error) in parallel to measure heavy currents providing each shunt has a separate pair or millivolt leads connected to the instrument terminals.
- The resistance blades of the shunt should be mounted in a vertical position with the longitudinal axis of the shunt in a horizontal position in order to promote the free convectional flow of air.

50 mV

Catalog Number	AMP	A	B	C	D	E
212-100-50	100	4 1/2	1	1/2	3 1/2	3/8-16 x 3/4
212-150-50	150	4 1/2	1	1/2	3 1/2	3/8-16 x 3/4
212-200-50	200	4 1/2	1	1/2	3 1/2	3/8-16 x 3/4
212-250-50	250	5 3/8	1 3/8	5/8	4	1/2-13 x 1
212-300-50	300	5 3/8	1 3/8	5/8	4	1/2-13 x 1
212-400-50	400	5 3/8	1 3/8	5/8	4	1/2-13 x 1
212-500-50	500	5 1/2	1 1/2	1	4	1/2-13 x 1
212-600-50	600	5 1/2	1 1/2	1	4	1/2-13 x 1

Drawing: 700-212 Cage Code Ident. No. 15948 **AAC** American Aerospace Controls Inc., 570 Smith St, Farmingdale, NY 11735 Tel: (631) 694-5100 **website: www.a-a-c.com**