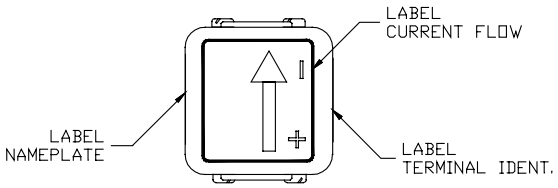
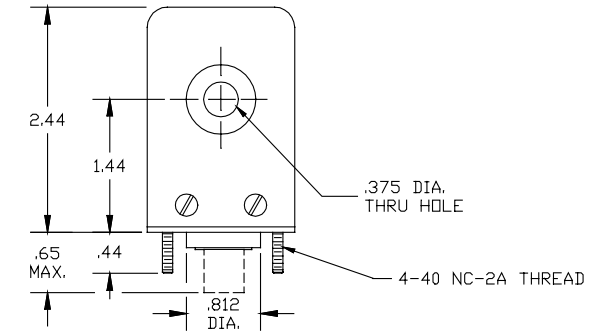
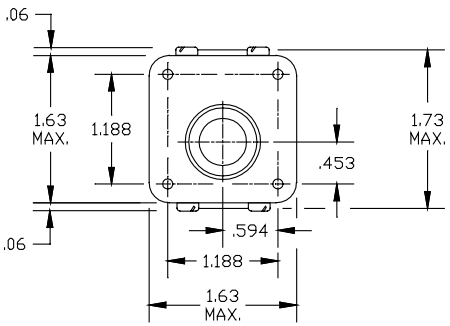
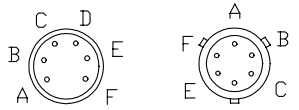
Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

DC CURRENT TRANSDUCER
SERIES 913A









SOLDER HEADER

CONNECTOR OPTION

ADD "-C" TO PART NO.
CONNECTOR P/N MS3112E-10-6P OR EQUIV.
MATING CONNECTOR MS3116F-10-6S

TERMINAL IDENTIFICATION

A. SPARE
B. SUPPLY VOLTAGE (RTN)
C. SUPPLY VOLTAGE (+)
D. OUTPUT SIGNAL (RTN)
E. OUTPUT SIGNAL (+)
F. CASE GROUND
TERMINALS B & D ARE COMMON

PART NO.	INPUT CURRENT	PART NO.	INPUT CURRENT
913A-10	0 to 10A	913A-40	0 to 40A
913A-20	0 to 20A	913A-50	0 to 50A
913A-25	0 to 25A	913A-75	0 to 75A
913A-30	0 to 30A	913A-100	0 to 100A

INPUT

RANGE	See Table
OVER CURRENT (UNLIMITED)	Nondestructive/nonlatching Saturated Output

OUTPUT

VOLTAGE SIGNAL	0 to +5Vdc FS (Full Scale)
ACCURACY	±1% FS
RESPONSE(10 TO 90%)	1 m-sec max.
IMPEDANCE	100Ω for 10A to 50A ranges 1000Ω for 75A to 100A ranges
RIPPLE	10mV RMS max.
TEMPERATURE COEFFICIENT	±0.02% FS/°C max. for 10A & 50a RANGES ±0.04% for 75A & 100A ranges
OUTPUT PROTECTION	Terminals D & E will withstand +32Vdc or short circuit

POWER SUPPLY

SUPPLY VOLTAGE	+28Vdc ±4Vdc
CURRENT DRAIN	75mA max.
REVERSE POLARITY PROTECTION	10μA max. current drain without damage

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE	-55°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +100°C
DIELECTRIC STRENGTH	350V RMS MIL-STD-202 Method 301
INSULATION RESISTANCE	200M-Ohms min. MIL-STD-202 Method 302 Test Condition A
ALTITUDE	Operating sea level to 100,000 ft. MIL-STD-202, Method 105, Condition D
VIBRATION	Operating 0.06 in D.A., 10Hz to 55Hz MIL-STD-202, Method 201
SHOCK	Operating 50g 11 m-sec MIL-STD-202, Method 213, Condition A
MOISTURE RESISTANCE	MIL-STD-202, Method 106
OPERATING HUMIDITY	0 to 95% RH
ATTITUDE	Meets specification for any mounting position
WEIGHT	9 oz. max.

AAC	Drawing Number	Rev.
	700-913A	U