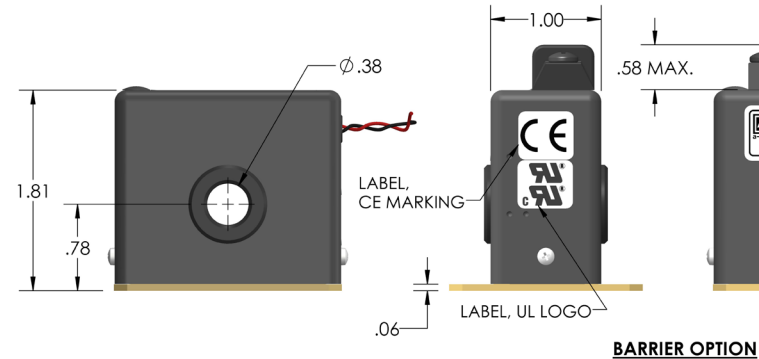
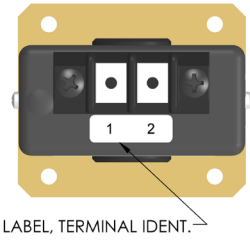
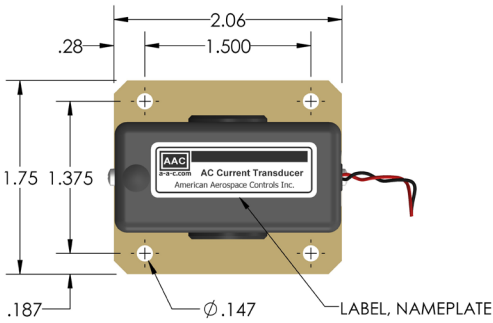


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



ORDERING INFORMATION

1003AM1	-	10	-	B
SERIES		CURRENT RANGE		TERMINATION
				Blank: Fly Leads
				B: Barrier

TERMINAL IDENTIFICATION

- 1-RED: OUTPUT SIGNAL (+)
2-BLACK: OUTPUT RETURN (RTN)

Fly Leads: 24AWG PVC Insulated Leads 24" long
Barrier: Molded terminal block with 6-32 terminal screws 3/8 in. center to center spacing.
Accepts wire sizes up to 14 AWG & wire lugs up to 9/32 in. wide.

AC CURRENT TRANSDUCER SERIES 1003AM1 TWO WIRE SELF POWER

PART NUMBER	CURRENT RANGE	OUTPUT IMPEDANCE
1003AM1-1.....	0 to 1Aac	55
1003AM1-2.....	0 to 2Aac	28
1003AM1-5.....	0 to 5Aac	11
1003AM1-7.....	0 to 7Aac	11
1003AM1-10.....	0 to 10Aac	6.0
1003AM1-15.....	0 to 15Aac	4.0
1003AM1-20.....	0 to 20Aac	2.8
1003AM1-25.....	0 to 25Aac	2.2
1003AM1-30.....	0 to 30Aac	1.9
1003AM1-40.....	0 to 40Aac	1.4
1003AM1-50.....	0 to 50Aac	1.1
1003AM1-60.....	0 to 60Aac	0.95
1003AM1-75.....	0 to 75Aac	0.75
1003AM1-100.....	0 to 100Aac	0.5

INPUT

CURRENT RANGE.....	See Table (Amps AC RMS)
FREQUENCY.....	47 to 63Hz
FREQUENCY RANGE.....	47 to 400Hz
INPUT CONDUCTOR VOLTAGE.....	750Vac Non Insulated Cable
OVERLOAD.....	250Aac Continuous

OUTPUT

VOLTAGE SIGNAL.....	0 to 5Vdc FS (Full Scale)
ACCURACY.....	± 0.5% FS
RIPPLE.....	0.2% FS RMS max.
RESPONSE (10 to 90%).....	250 m-sec max.
REPEATABILITY.....	± 0.2% FS
TEMPERATURE COEFFICIENT.....	± 200 PPM/°c max.
OUTPUT IMPEDANCE.....	K-Ohms See Table
OUTPUT SIGNAL @ OVERLOAD.....	11Vdc max.

POWER SUPPLY

SUPPLY VOLTAGE.....	None, self-power
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ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE.....	-55°C to +85°C
STORAGE TEMPERATURE RANGE.....	-55°C to +85°C
HUMIDITY (Operating).....	0% to 95%RH
MOISTURE RESISTANCE.....	MIL-STD-202 Method 106 (Note 2)
RANDOM VIBRATION (Operating).....	MIL-STD-810F
SHOCK.....	50g 11m-sec half sine pulse
ISOLATION.....	Input/Output/Case
INSULATION RESISTANCE.....	100 M-Ohms output to case
HOUSING FINISH.....	Black Polyester Powder Coat
WEIGHT.....	5 oz. max.

Note 1 Transducer are average responding calibrated to the RMS Value of the input current.

AAC

Drawing Number
700-1003AM1

Rev.
V