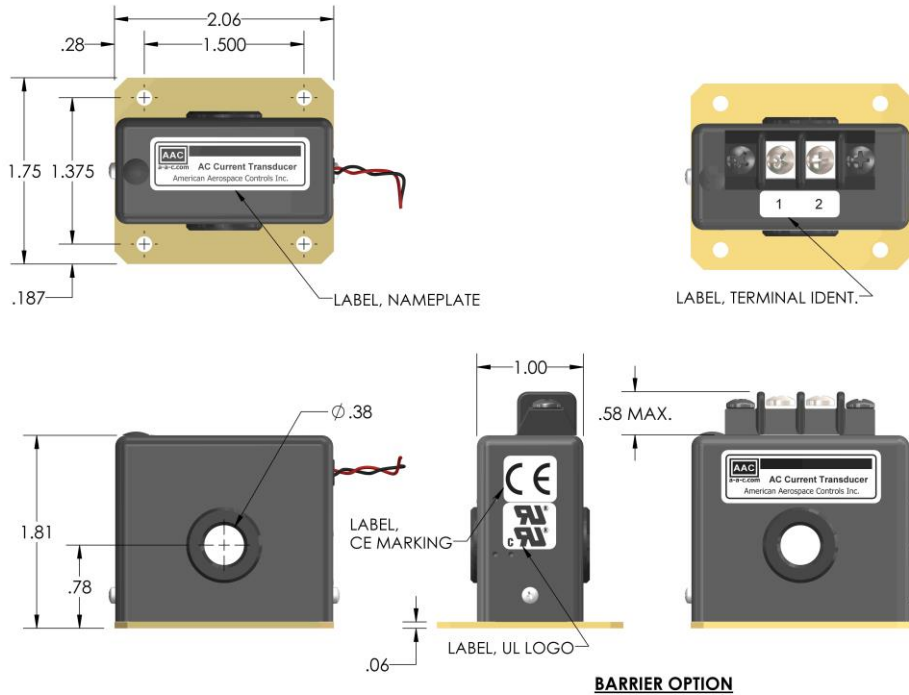


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



**ORDERING INFORMATION**

<b>1003AM1</b>	-	<b>10</b>	-	<b>B</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**

<b>PART NUMBER</b>	<b>CURRENT RANGE</b>	<b>OUTPUT IMPEDANCE</b>
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.

<b>AAC</b>	<b>Drawing Number</b> <b>700-1003AM1</b>	<b>Rev.</b> <b>U</b>
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