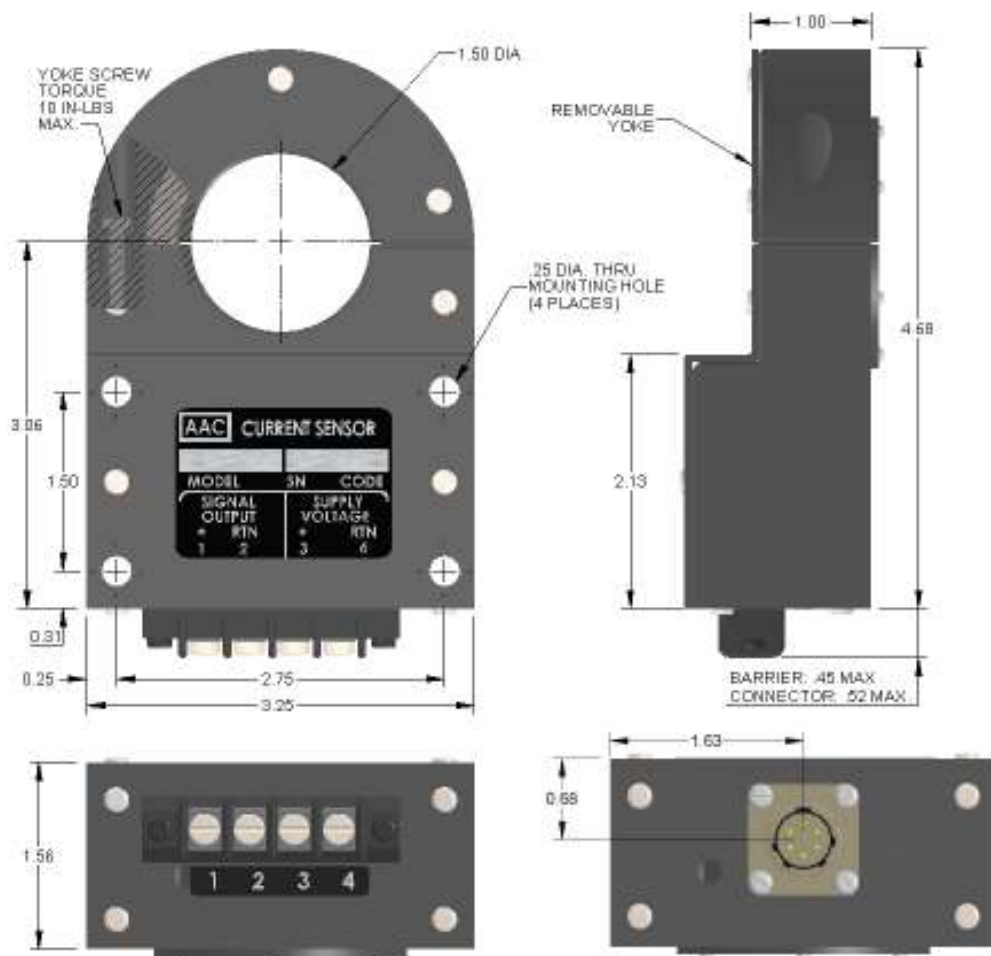


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**AC RMS CURRENT TRANSDUCER  
SERIES 1001  
REMOVABLE YOKE TYPE**



<u>PART NUMBER</u>	<u>INPUT CURRENT</u>	<u>PART NUMBER</u>	<u>INPUT CURRENT</u>
1001-100	0 TO 100	1001-1000	0 TO 1000
1001-150	0 TO 150	1001-1500	0 TO 1500
1001-250	0 TO 250	1001-2000	0 TO 2000
1001-500	0 TO 500	1001-2500	0 TO 2500
1001-750	0 TO 750	1001-3000	0 TO 3000

**INPUT**  
 RANGE ..... See Table, Amps RMS  
 FREQUENCY..... DC to 480Hz  
 CREST FACTORS ..... Up to 5  
 OVERLOAD ..... 2x Range continuously, 10x for 10 sec.  
 ISOLATION..... 1KV RMS 60Hz/1min. Non-Insulated cable. 5KV RMS With Insulated cable.

**OUTPUT**  
 VOLTAGE SIGNAL ..... 0 to +5Vdc FS (Full Scale)  
 ACCURACY ..... ±1% FS (±50mV)  
 RESPONSE (10 TO 90%) ..... 100 m-sec  
 RIPPLE ..... 25mV RMS @ 60Hz  
 LOAD ..... 2K Ohms min.  
 TEMPERATURE COEFFICIENT ..... ±.02% FS/°C max.  
 OUTPUT IMPEDANCE ..... 10 Ohms max.  
 OUTPUT PROTECTION ..... Short circuit continuously

**POWER SUPPLY**  
 SUPPLY VOLTAGE ..... +11 to 32Vdc  
 CURRENT DRAIN..... 20mA max.  
 OVER VOLTAGE PROTECTION..... ±40Vdc without damage  
 REVERSE POLARITY PROTECTION ..... 10µAmax. current drain without damage

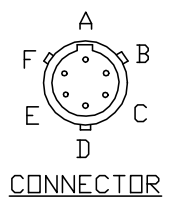
**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**  
 OPERATING TEMPERATURE RANGE ..... -40°C to +85°C  
 STORAGE TEMPERATURE RANGE ..... -55°C to +85°C  
 DIELECTRIC STRENGTH ..... 350V RMS (all terminals to case)  
 INSULATION RESISTANCE ..... 100 M-ohms (all terminals to case)  
 ALTITUDE (OPERATING) ..... Sea level to 60,000 ft.  
 VIBRATION (OPERATING) ..... 0.06 in. D.A., 10 to 55 Hz method 201 of MIL-STD-202  
 SHOCK (OPERATING) ..... 50 g, 11 m-sec half sine pulse method 213 Condition A of MIL-STD-202

MOISTURE RESISTANCE ..... MIL-STD-810 method 507.1 Proc. 1  
 OPERATING HUMIDITY ..... 0% to 95% RH  
 ATTITUDE ..... Units will perform as specified when mounted in any position  
 CASE MATERIAL ..... Aluminum Casting  
 WEIGHT ..... 2 lbs. max.

**BARRIER STANDARD:**  
 MOLDED TERMINAL BARRIER WITH 5-40 TERMINAL SCREWS AND .375 CENTER DISTANCES. TERMINALS ACCEPT WIRE SIZES UP TO #16 AWG. WITH LUGS TO .281 IN. WIDE.

**CONNECTOR OPTION:**  
 ADD -C AFTER PART NUMBER; CONNECTOR TYPE PT02E-10-6P-023 OR EQUIV. MATING CONNECTOR PT06A-10-6S-023

<u>BARRIER</u>		<u>CONNECTOR</u>
1	OUTPUT (+)	A
2	OUTPUT (RTN)	B
3	SUPPLY VOLTAGE (+)	C
4	SUPPLY VOLTAGE (RTN)	D
NA	SPARE	E
NA	SPARE	F



<b>AAC</b>	Drawing Number <b>700-1001</b>	Rev. <b>N</b>
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