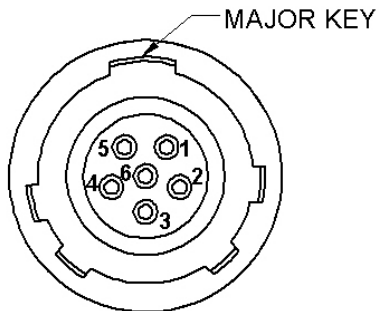
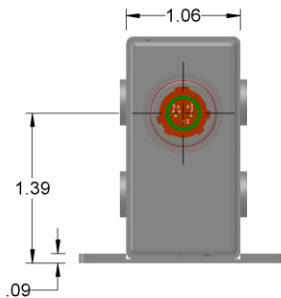
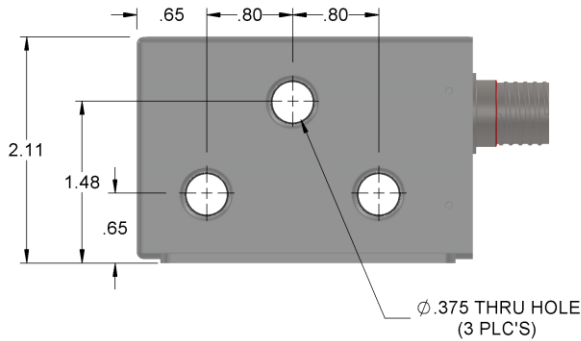
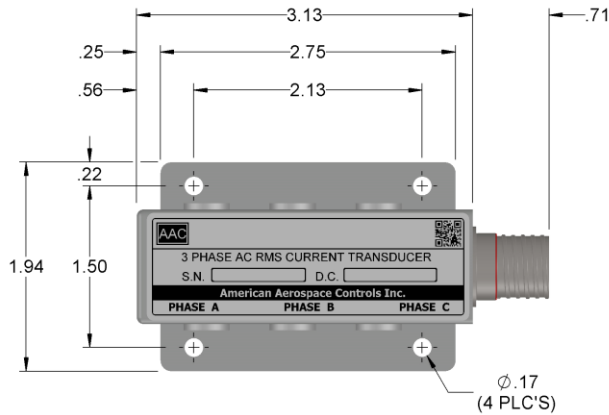


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**3 PHASE AC RMS CURRENT TRANSDUCER  
SERIES S1147**



CONNECTOR P/N:  
D38999/25NA35PN  
OR EQUIV.

SHALL MATE WITH P/N:  
D38999/26KA35SN  
OR EQUIV.

**TERMINAL IDENTIFICATION**

1. SUPPLY VOLTAGE (+)
2. SUPPLY (RTN)
3. OUTPUT VOLTAGE PHASE A (+)
4. OUTPUT VOLTAGE PHASE B (+)
5. OUTPUT VOLTAGE PHASE C (+)
6. OUTPUT (RTN)

PART NUMBER	CURRENT RANGE	OVER LOAD
S1147-5	0 to 5	500
S1147-10	0 to 10	500
S1147-15	0 to 15	500
S1147-20	0 to 20	500
S1147-30	0 to 30	500
S1147-40	0 to 40	500
S1147-50	0 to 50	500

PART NUMBER	CURRENT RANGE	OVER LOAD
S1147-75	0 to 75	500
S1147-100	0 to 100	500
S1147-150	0 to 150	500
S1147-200	0 to 200	500
S1147-250	0 to 250	500
S1147-300	0 to 300	500
S1147-400	0 to 400	500

**INPUT**

RANGE	Aac rms (see table)
OVERLOAD	Aac rms (see table)
FREQUENCY RANGE	360 to 440Hz

**OUTPUT (Phase A, B & C)**

VOLTAGE SIGNAL	0 to 5Vdc FS (Full Scale)
ACCURACY (Over the Temperature Range)	±0.5% FS max. (± 25mV) note 1
RIPPLE	10mV RMS max.
RESPONSE (10 to 90%)	150m-sec.
CREST FACTORS	0 to 4
LOAD RESISTANCE	10K Ohms min.
CAPACITANCE LOAD	0.01uF max.
VOLTAGE SIGNAL @ OVERLOAD	6Vdc typ.

**POWER SUPPLY (PS)**

SUPPLY VOLTAGE	+24Vdc
CURRENT DRAIN	20mA
SUPPLY VOLTAGE RANGE	+14 TO 32Vdc
OUTPUT PROTECTION	Reverse Polarity Protection

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING/STORAGE TEMPERATURE RANGE	-55° to +85°C
ELECTROSTATIC DISCHARGE (ESD)	DO-160E Section 25 Category A.
HUMIDITY (Operating)	0% to 100%RH
MOISTURE RESISTANCE	MIL-STD-202 Method 106.
RANDOM VIBRATION (Operating)	MIL-STD-810F, Proc.1,Cat.12, WO=.095G <sup>2</sup> /Hz, Time 1hr, Fig. 514.5C-8 Overall level 12.G-RMS
SHOCK	50g 11m-sec. half sine pulse
INSULATION RESISTANCE	500 M-Ohms @ 100Vdc.
CASE MATERIAL	Brass
FINISH	Fuse Tin Lead Plating
WEIGHT	14.0 oz. Max.

**NOTE 1:** Specified accuracy includes the combined worst case effects of Zero Offset, Temperature, Hysteresis, Supply Swings and Current Cable Positioning.

<b>AAC</b>	<b>Drawing Number S1147</b>	<b>Rev. E</b>
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