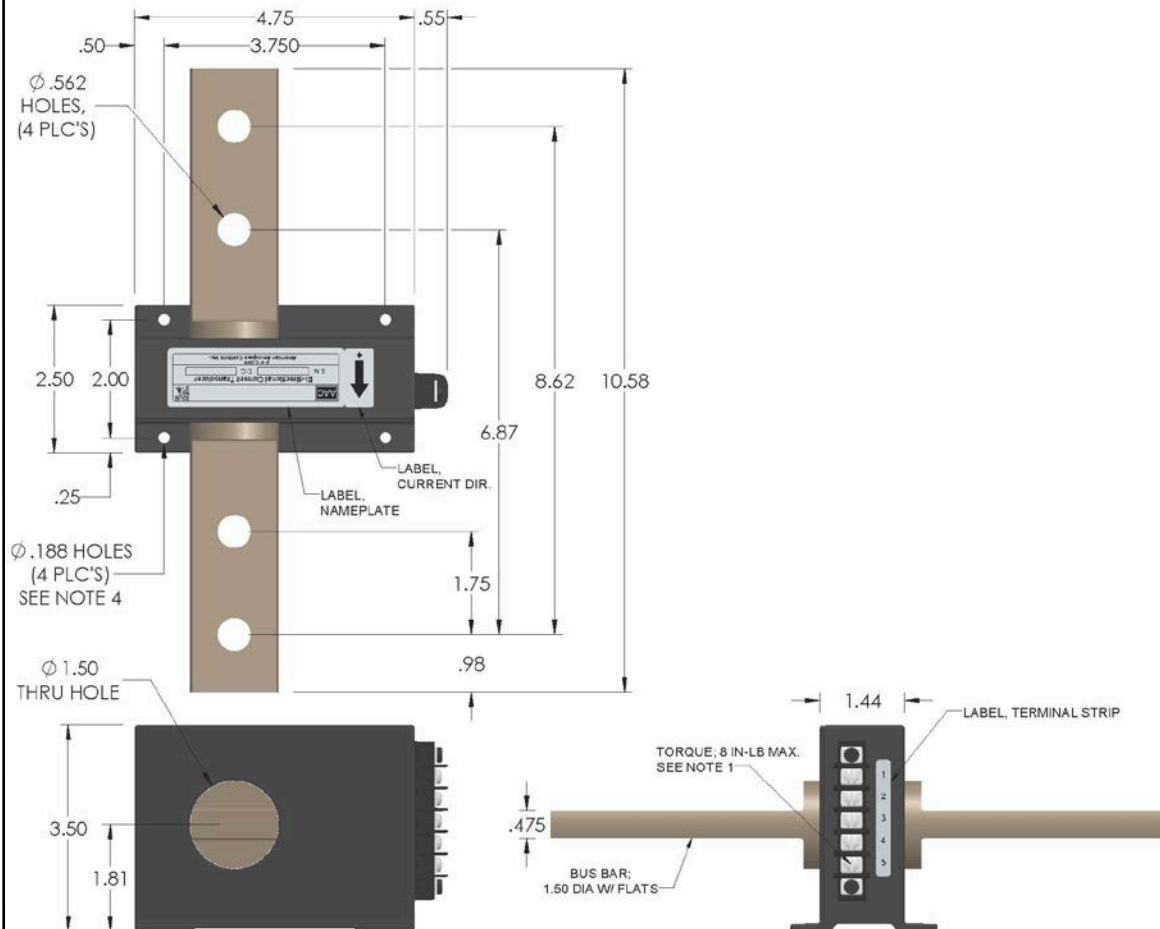


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER  
PART NUMBER S630-2500**



**INPUT**

MEASURING RANGE (CONTINUOUS)	0 to ± 1000Adc FS (Full Scale)
(TRANSIENT)...	1422A RMS (1 min)
	1375A RMS (4 min)
	1161A RMS (30 min)
	2168A peak (5 sec.)
	2514A tr (18 m-sec.)

**OUTPUT**

CURRENT SIGNAL.....	250uA per 1A Input
TURN RATIO .....	4000 to 1
ACCURACY .....	0.5% FS (-25 to +70°C)
LINEARITY .....	± 0.1% max. up to 630mA max.
LOAD .....	5.5 Ohms max.
RESPONSE .....	1M-sec. max.

**POWER SUPPLY**

SUPPLY VOLTAGE .....	±24Vdc ±1Vdc
CURRENT DRAIN.....	650mA max.
PROTECTION.....	Reverse Polarity Protected

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE .....	-25°C to +75°C
STORAGE TEMPERATURE .....	-40°C to +85°C
SHOCK & VIBRATION .....	IAW ADTRANZ Doc. ABB-ES-091291-1
OPERATING HUMIDITY .....	0 to 95% Relative Humidity
INSULATION RESISTANCE .....	200 M-ohms @ 500Vdc
DIELECTRIC STRENGTH .....	3.3Kv RMS 60Hz
PRIMARY BAR VOLTAGE .....	2Kv RMS max.
CASE .....	Moulded Plastic (GE Lexan) Meets UL Flammability Rating 94 V-0
WEIGHT .....	6.5 lbs. max.

**ORDERING INFORMATION**

<b>S630-2500 -</b>	<b>w/o Bus Bar</b>
SERIES	Blank: with Bus Bar
	-w/o Bus Bar: No Bus Bar

**NOTE:**

1. MOULDED TERMINAL BLOCK WITH 5-40 TERMINAL SCREWS, 3/8 IN. CENTER TO CENTER SPACING. ACCEPTS WIRE SIZES TO 14 AWG AND WIRE LUGS UP TO 9/32 IN. WIDE. TORQUE 8 IN-LB MAX.
2. RECOMMENDED MOUNTING HARDWARE #8 SCREW, #8 SPLIT LOCKWASHER AND #8 FLAT WASHER. TORQUE MAXIMUM 18 IN-LB.
3. AVAILABLE WITH OR WITHOUT BUS BAR.

**TERMINAL IDENTIFICATION**

1. SUPPLY VOLTAGE (+)
2. SUPPLY VOLTAGE (-)
3. OUTPUT
4. SPARE
5. SPARE

<b>AAC</b>	<b>Drawing Number S630</b>	<b>Rev. G</b>
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