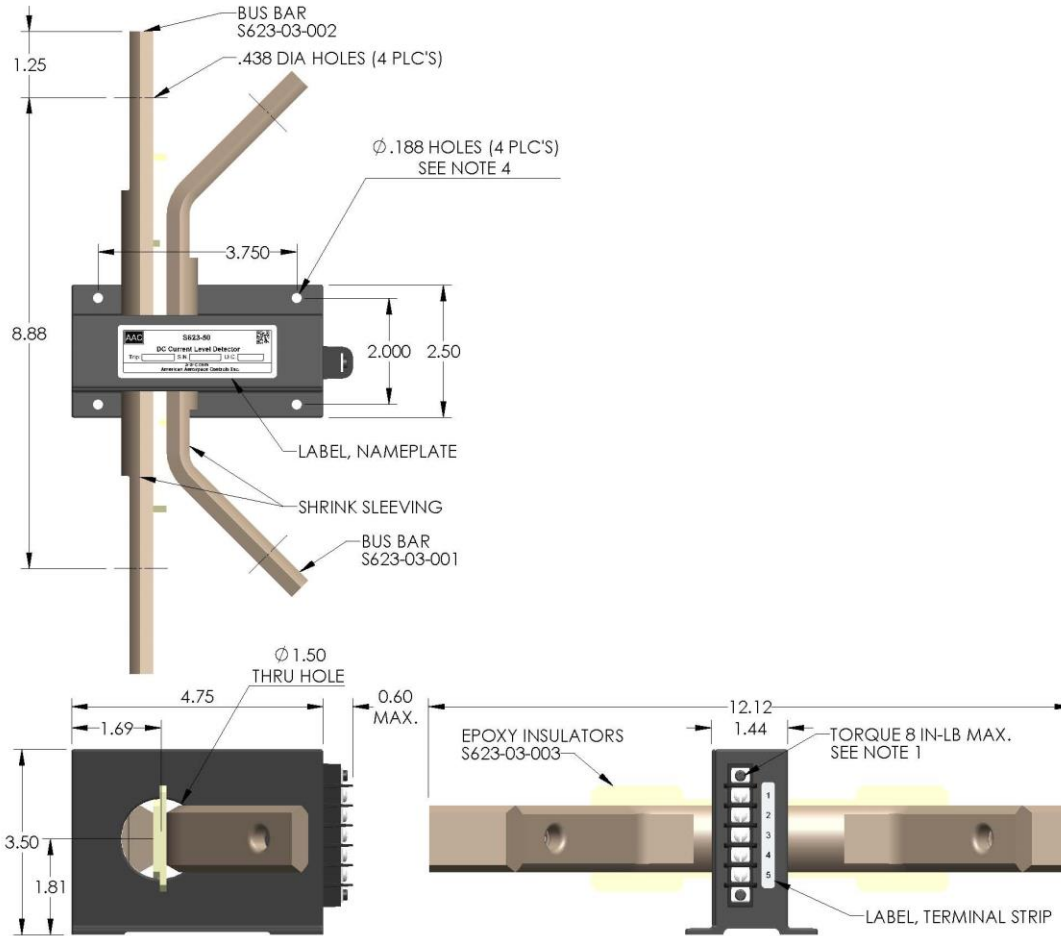


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

DC CURRENT LEVEL DETECTOR PART NUMBER S623-50



INPUT

INPUT CURRENT	0 to ± 1009Adc continuous
OVERLOAD	± 2360A Transient (18 m-sec) ± 2014A Peak (5 sec) ± 1268A RMS (1 min) ± 1221A RMS (4 min) ± 1009A RMS (30 min)

TRIP POINT	± 10 to ± 50Adc (See Ordering Information)
RESET	Automatic 5 Adc ±5% below trip point

OUTPUT

RELAY CONTACT (SPST)	Actuated at & above trip point
CONTACT RATING	10amp @ 125Vdc
RESPONSE	50M-sec. MAX.
DIELECTRIC STRENGTH	4000V RMS coil to contacts 1000V RMS between open contacts

POWER SUPPLY

SUPPLY VOLTAGE	+25 to 45Vdc
CURRENT DRAIN	125mA max.
REVERSE POLARITY PROTECTION ...	10uA current drain without damage



ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE	-25°C to +70°C
STORAGE TEMPERATURE	-45°C to +85°C
SHOCK & VIBRATION	EN 61373 Category 1 Class B
OPERATING HUMIDITY	0 to 95% Relative Humidity
PRIMARY BAR VOLTAGE	2Kv RMS max.
DIELECTRIC STRENGTH	3.3kV RMS 60Hz
INSULATION RESISTANCE	Input/Output/Supply to Case 500 Meg-Ω @ 500Vdc
CASE	Molded Plastic (GE Lexan) Meets UL Flammability Rating 94 V-0
WEIGHT	6 lbs. max. with Bus Bar 2 lbs. max without Bus Bar

NOTE:

1. MOLDED TERMINAL BLOCK WITH 5-40 TERMINAL SCREWS, 3/8 IN. CENTER TO CENTER SPACING. ACCEPTS WIRE SIZES UP 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 FLATWASHER. TORQUE MAXIMUM 18 IN-LB.
3. AVAILABLE WITH OR WITHOUT BUS BAR. SEE ORDERING INFORMATION.

TERMINAL IDENTIFICATION

1. INPUT VOLTAGE (+)
2. INPUT (RTN)
3. 
4. 
5. CASE GROUND

ORDERING INFORMATION

S623-50	-	10	-	w/o Bus Bar
SERIES		CURRENT TRIP POINT		Blank: with Bus Bar -w/o Bus Bar: No Bus Bar
		Amps DC		

AAC	Drawing Number S623	Rev. R
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