

**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

ADJUSTABLE	± 10 to ± 50Adc
HYSTERESIS	Auto reset 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	4000 V RMS coil to contact 1000 V RMS between open contact

POWER SUPPLY

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

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

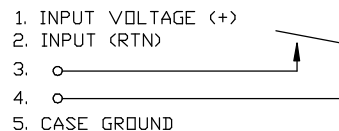
OPERATING TEMPERATURE	-25°C to +70°C
STORAGE TEMPERATURE	-45°C to +85°C
SHOCK & VIBRATION	IAW ADTRANZ Doc. ABB-ES-091291-1
OPERATING HUMIDITY	0 to 95% Relative Humidity
PRIMARY BAR VOLTAGE	2Kv RMS max.
DIELECTRIC STRENGTH	3.3kV RMS 60Hz
INSULATION RESISTANCE	Input/Output/Supply to Case 500 Meg-Ω @ 500Vdc

CASE	Moulded Plastic (GE Lexan) Meets UL Flammability Rating 94 V-0
WEIGHT	8 lbs. max.

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. PART TO BE IDENTIFIED WITH ADTRANZ PART NUMBER & REVISION LEVEL IN ACCORDANCE WITH SAE AS478-30, LATEST REVISION. CHARACTER HEIGHT SHALL BE .50 INCH MAX. APPROX. WHERE SHOWN.
3. REFERENCE DOCUMENT NO. E301-006.RFP (XID).
4. RECOMMENDED MOUNTING HARDWARE #8 SCREW, #8 SPLIT LOCKWASHER AND #8 FLATWASHER. TORQUE MAXIMUM 18 IN-LB.

TERMINAL IDENTIFICATION



AAC	Drawing Number 700-S623	Rev. L
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