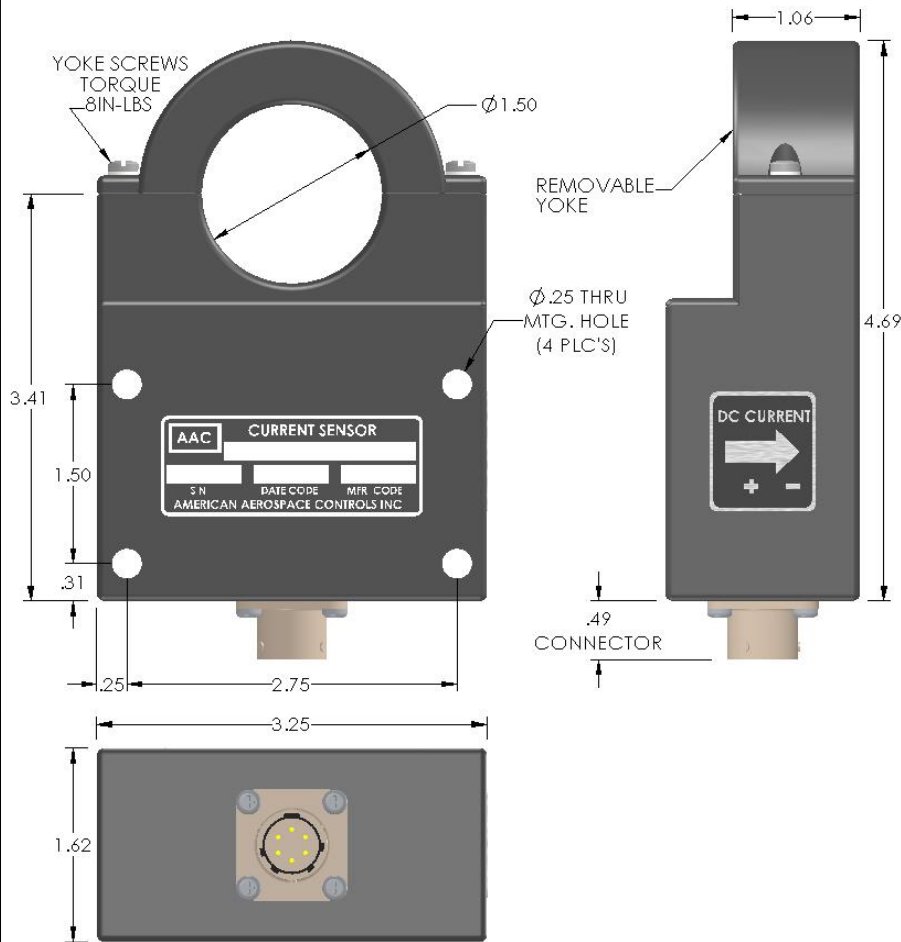


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT SENSOR
SERIES S433-100
REMOVABLE YOKE TYPE**



INPUT
RANGE 0 to ±100A_{dc}
OVERLOAD 100 TIMES RANGE

NOTE: SENSOR WILL OPERATE WITHIN SPECIFIED INPUT/OUTPUT REQUIREMENTS WITH 200A_{ac} 60 Hz ON BIDIRECTIONAL CURRENT INPUT.

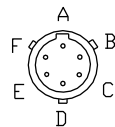
OUTPUT
VOLTAGE SIGNAL 0 to 3V_{dc}
ACCURACY ±1% (±30mV)
RESPONSE (10 TO 90%) 1 sec max.
RIPPLE 1% RMS max. (30mV RMS)
TEMPERATURE COEFFICIENT ±.08%/°C max.
OUTPUT IMPEDANCE 100 Ohms max.
SHORT-CIRCUIT DURATION Indefinite

POWER SUPPLY
SUPPLY VOLTAGE ±15V_{dc} ±1V_{dc}
CURRENT DRAIN +15 100mA max.
..... -15 25mA max.
POLARITY PROTECTION Reverse polarity protection.

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS
OPERATING TEMPERATURE RANGE -25°C to +75°C
STORAGE TEMPERATURE RANGE -55°C to +85°C
ISOLATION Input/output/case (supply and output common)
INSULATION RESISTANCE 200 M-ohms (all terminals to case)
DIELECTRIC STRENGTH 350V RMS (all terminals to case)
OPERATING HUMIDITY 0% to 95% RH
ATTITUDE Units will perform as specified when mounted in any position
CASE MATERIAL Molded Plastic (GE Lexan) Meets UL Flammability Rating 94
WEIGHT 18oz max.

**TERMINAL IDENTIFICATION
CONNECTOR**

- A SIGNAL OUTPUT (+)
- B OUTPUT (RTN)
- C SUPPLY VOLTAGE (+)
- D SUPPLY VOLTAGE (RTN)
- E SUPPLY VOLTAGE (-)
- F SPARE



CONNECTOR
CONNECTOR PART NO.
PT02E-10-6P-023 OR EQUIV.

MATING CONNECTOR PART NO.
PT06A-10-6S-424 OR EQUIV.

AAC	Drawing Number S433-909M4	Rev. E
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