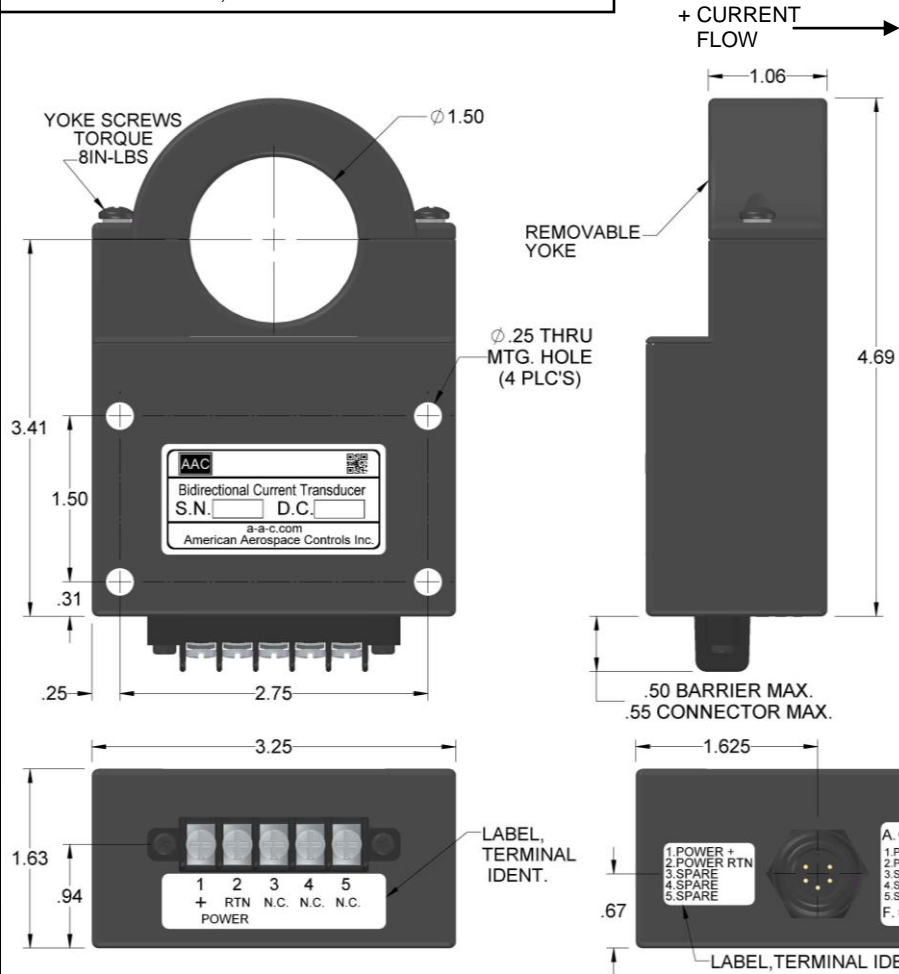


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



**BIDIRECTIONAL CURRENT TRANSDUCER
SERIES 916
4 TO 20mA 2 WIRE LOOP POWER
REMOVABLE YOKE TYPE**

PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
916-50	0 to ±50Adc	916-750	0 to ±750Adc
916-100	0 to ±100Adc	916-1000	0 to ±1000Adc
916-150	0 to ±150Adc	916-1500	0 to ±1500Adc
916-200	0 to ±200Adc	916-2000	0 to ±2000Adc
916-250	0 to ±250Adc	916-2500	0 to ±2500Adc
916-500	0 to ±500Adc		

INPUT

RANGE Adc See Table
OVERLOAD CONTINUOUS Unlimited (Nondestructive Nonlatching/ Saturated Output)

OUTPUT

CURRENT SIGNAL 4 to 20mA Adc FS (Full Scale)
Zero input current = 12mA output
Plus Full Scale input = 20mA output
Minus Full Scale input = 4mA output

ACCURACY ± 1% FS or ±0.08mA max.
TEMPERATURE COEFFICIENT ± 0.033% FS / °C max.
RESPONSE (10 to 90%) 200uS max.
LOAD RESISTANCE 250 Ohms Nominal
LOAD RESISTANCE RANGE 0 to 300 Ohms
CURRENT SIGNAL @ OVERLOAD 24mA TYP.

POWER SUPPLY (PS)

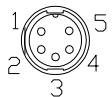
SUPPLY VOLTAGE 16 to 26Vdc
CURRENT DRAIN 24mA
PROTECTION Reverse Polarity Protected

ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE -40° to +85°C
STORAGE TEMPERATURE RANGE.... -45° to +85°C
ISOLATION Input/Output/Case
INSULATION RESISTANCE 200 M-Ohms @ 500Vdc
INPUT CONDUCTOR VOLTAGE 1.5KV max. (5KV max. with insulated cable)
CASE Molded Plastic (GE Lexan) Meets UL Flammability Rating 94
WEIGHT 18 oz. Max.

NOTE 1: HOUSING AND POT HOLES ARE SEALED MAKING TRANSDUCER WATER SPRAY RESISTANT. END USER MUST COAT TERMINAL BLOCK WITH SILICONE TO PREVENT CORROSION.

NOTE 2: UNIT NORMALLY SUPPLIED WITH 5 PIN MOLDED TERMINAL BLOCK WITH 6-32 TERMINAL SCREWS, 0.325 IN. CENTER TO CENTER SPACING. BARRIER ACCEPTS WIRE SIZES UP TO 16AWG AND WIRE LUGS TO .250 IN. WIDE. UNIT IS ALSO AVAILABLE WITH 5 PIN, OPTIONAL CONNECTOR 7282-5PG-300 OR EQUIVALENT. ADD LETTER C AFTER PART NUMBER FOR CONNECTOR OPTION.

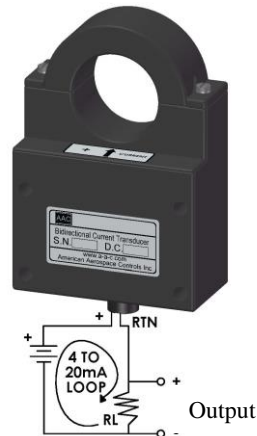


CONNECTOR OPTION

P/N: 7282-5PG-300
ADD-C TO PART NUMBER
MATING CONNECTOR
P/N 6282-5SG-311
MFG. CONXALL

TERMINAL IDENTIFICATION

- 1 POWER (+)
- 2 POWER (RTN)
- 3 SPARE
- 4 SPARE
- 5 SPARE



AAC	Drawing Number 700-916	Rev. C
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