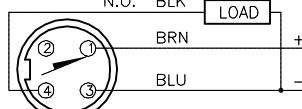
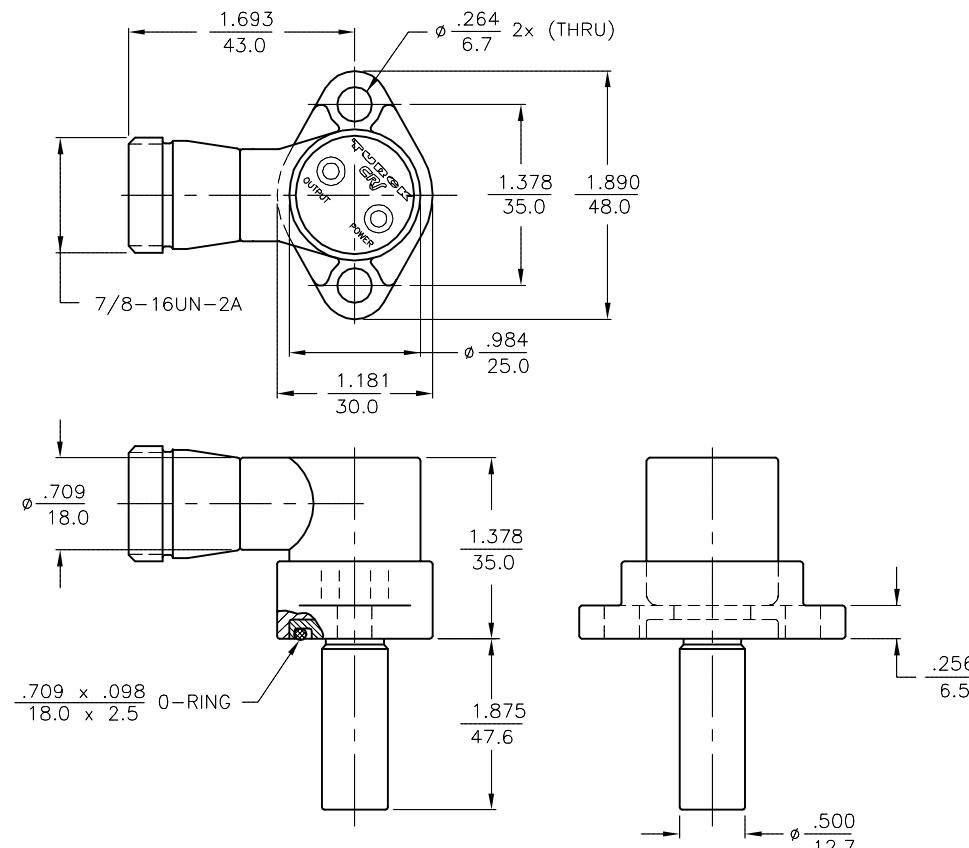


## WIRING DIAGRAM



OUTPUT: AP4X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED

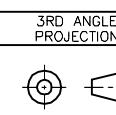


## SPECIFICATIONS

OPERATING VOLTAGE	10-65 V DC (SHORT-CIRCUIT PROTECTED)
RIPLE	≤ 10%
HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	2.0 V at 200 mA (1.3 V TYPICAL)
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	250-350 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
LEAKAGE CURRENT	< 10 μ A
NO-LOAD CURRENT	7.5 mA TYP. (24 V DC) 10.0 mA TYP. (65 V DC)
POWER-ON EFFECT PROTECTION	INCORPORATED
POLARITY INVERSION PROTECTION	INCORPORATED
WIRE BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	< 2 kV < 1 ms < 1 J
OPERATING TEMPERATURE	-25°C to +75°C (-13°F to +167°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	≤ 30 g, 11 ms
VIBRATION	10 Hz to 55 Hz ≤ 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	YELLOW: OUTPUT ENERGIZED GREEN: POWER ON
SENSING RANGE	2 mm = .079" (NOMINAL)
SWITCHING FREQUENCY	30 Hz (APPROX.)
REPEATABILITY	< 1%
OPERATING PRESSURE	1500 PSI (MAX. APPLIED 3000 PSI)
RESPONSE TIME	15 ms MAX.
SHIELDED	YES
COLOR CODE	--
MATING PLUGS/CABLES	4-PIN "MINI" CONSTRUCTION

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS  
 1. **NOTE**  
 2. **PRELIMINARY**  
 3. **SPECIFICATIONS**  
 4.



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MATERIAL  
SEE SPECIFICATIONS  
FINISH  
SEE SPECIFICATIONS

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INFORMATION

DRFT GMB DATE 02/25/88  
APVD A.F. SCALE 1=1.5  
UNIT OF MEASUREMENT  
**INCH [ MILLIMETER ]**  
DO NOT SCALE THIS DRAWING  
FILE: T4580094

DESCRIPTION  
BI 2-CRS476-AP4X2-B1141/S34  
IDENTIFICATION NO.  
T4580094  
REV  
E  
SHEET 1 OF 1

2. ROTATION CAPABILITY OF THE CRS SENSOR IS 360°.

NOTES: 1. "/S34" DESIGNATES WELD FIELD IMMUNITY. SENSOR IS SUITABLE FOR USE ON RESISTANCE WELDING MACHINES.

E REMOVE TABULATION

CBM 08/27/01 T4773

REV DESCRIPTION

BY DATE ECO NO.