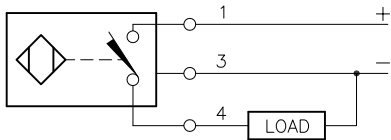
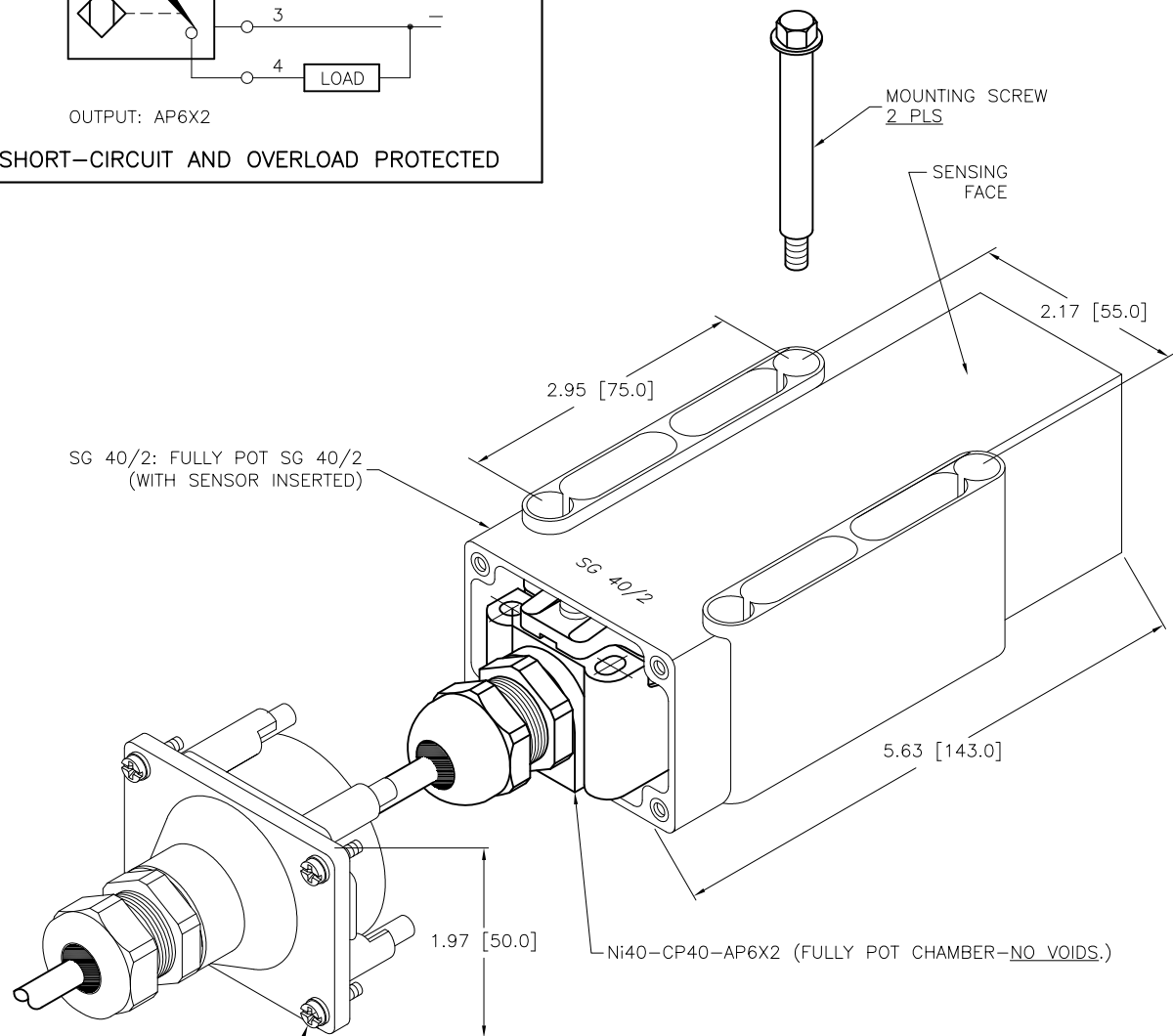


WIRING DIAGRAM



OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED

SG 40/2: FULLY POTTED SG 40/2
(WITH SENSOR INSERTED)

Ni40-CP40-AP6X2 (FULLY POTTED CHAMBER-NO VOIDS.)

PLASTIC SCREW
TURCK P/N: 10130145
4 PLS

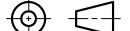
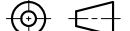
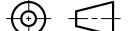
NOTES:

1. UPROX HAS WELD FIELD IMMUNITY, SENSOR IS SUITABLE FOR USE ON RESISTANCE MACHINES.
2. "/S522" INDICATES SENSOR WITH POTTED CABLE AGAIN POTTED INTO SG40/2 HOUSING WITH CLEAR EPOXY.
3. ALL DIMENSIONS ARE REFERENCE ONLY.

SPECIFICATIONS

OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
OFF-STATE (LEAKAGE) CURRENT	< 10 μA
NO-LOAD CURRENT	8-13 mA
TIME DELAY BEFORE AVAILABILITY	4-8 ms
POWER-ON EFFECT PROTECTION	PER IEC 947-5-2
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	2 kV, 1 ms, 1 kΩ
OPERATING TEMPERATURE (10% DRIFT)	-25°C to +70°C (-13°F to +158°F)
OPERATING TEMPERATURE (15% DRIFT)	-25°C to +85°C (-13°F to +185°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	GREEN: POWER ON YELLOW: OUTPUT ENERGIZED
SENSING RANGE	40 mm = 1.575" (NOMINAL)
SWITCHING FREQUENCY	250 Hz
REPEATABILITY	≤ 2% of NOMINAL SENSING RANGE
EMBEDDABLE (SHIELDED)	NO

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.				3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us		
MATERIAL SENSOR: PBT-GF30-VO SG40/2: ULTEM 1000	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT	JB	DATE	09/11/02	DESCRIPTION NI40U-CP40-AP6X2/S522 25M T		
			APVD		SCALE	N/A			
FINISH	CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT				IDENTIFICATION NO.		REV
			INCH [MILLIMETER]						
			DO NOT SCALE THIS DRAWING				FILE: 1623693		SHEET 1 OF