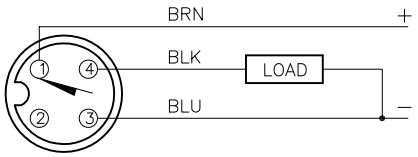
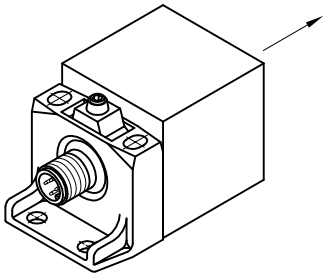
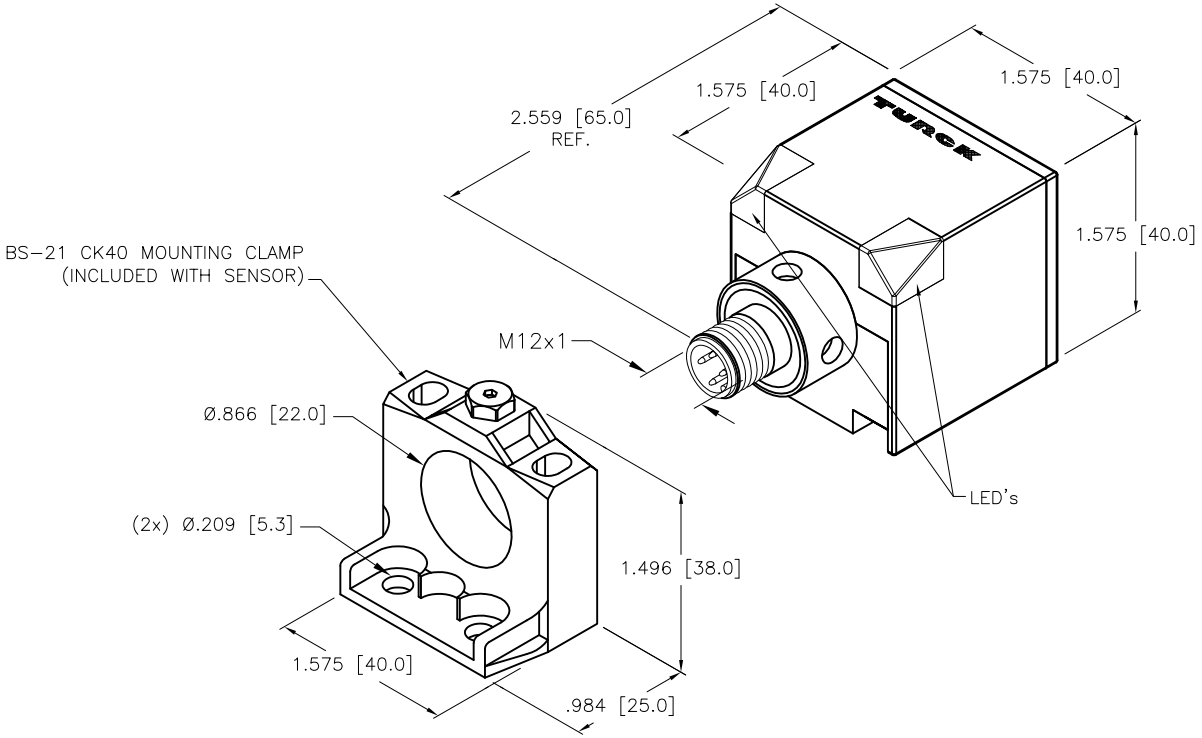
WIRING DIAGRAM



OUTPUT: AP4X2

SHORT–CIRCUIT AND OVERLOAD PROTECTED





SPECIFICATIONS

OPERATING VOLTAGE	10–65 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
SHORT–CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥220 mA
CONTINUOUS LOAD CURRENT	≤200 mA
OFF–STATE (LEAKAGE) CURRENT	<10μ A
NO–LOAD CURRENT	<15 mA
TIME DELAY BEFORE AVAILABILITY	4–8 ms
POWER–ON EFFECT PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE–BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	2 kV, 1ms, 1 kΩ
OPERATING TEMPERATURE	–30°C to +85°C (–22°F to +185°F) W/ 10% TEMP. DRIFT
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP68
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	GREEN: POWER ON YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	15 mm = .591" (NOMINAL)
SWITCHING FREQUENCY	150 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES

NOTES:

1. SENSING HEAD CAN ROTATE TO 5 DIFFERENT SENSING POSITIONS.
2. UPROX HAS WELD FIELD IMMUNITY, SENSOR IS SUITABLE FOR USE ON RESISTANCE MACHINES.
3. "/S543" DESIGNATES CK40 CABLE SUPPORT CHAMBER IS POTTED.

REV	DESCRIPTION	BY	DATE	ECO NO.
D	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	11/06/17	

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

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MATERIAL
PBT–GF30–V0
PLASTIC HOUSING

FINISH

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

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DRFT RJP | DATE 10/29/93 BL

APVD | SCALE NONE

UNIT OF MEASUREMENT
INCH [MILLIMETER]
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DESCRIPTION
5U–CK40–AP4X2–H1141/S543–FW/BS

IDENTIFICATION NO. 1538093

REV D

FILE: 1538093

SHEET 1 OF 1