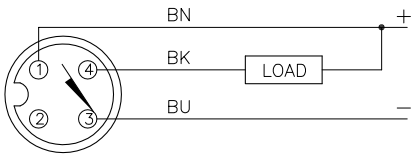
WIRING DIAGRAM

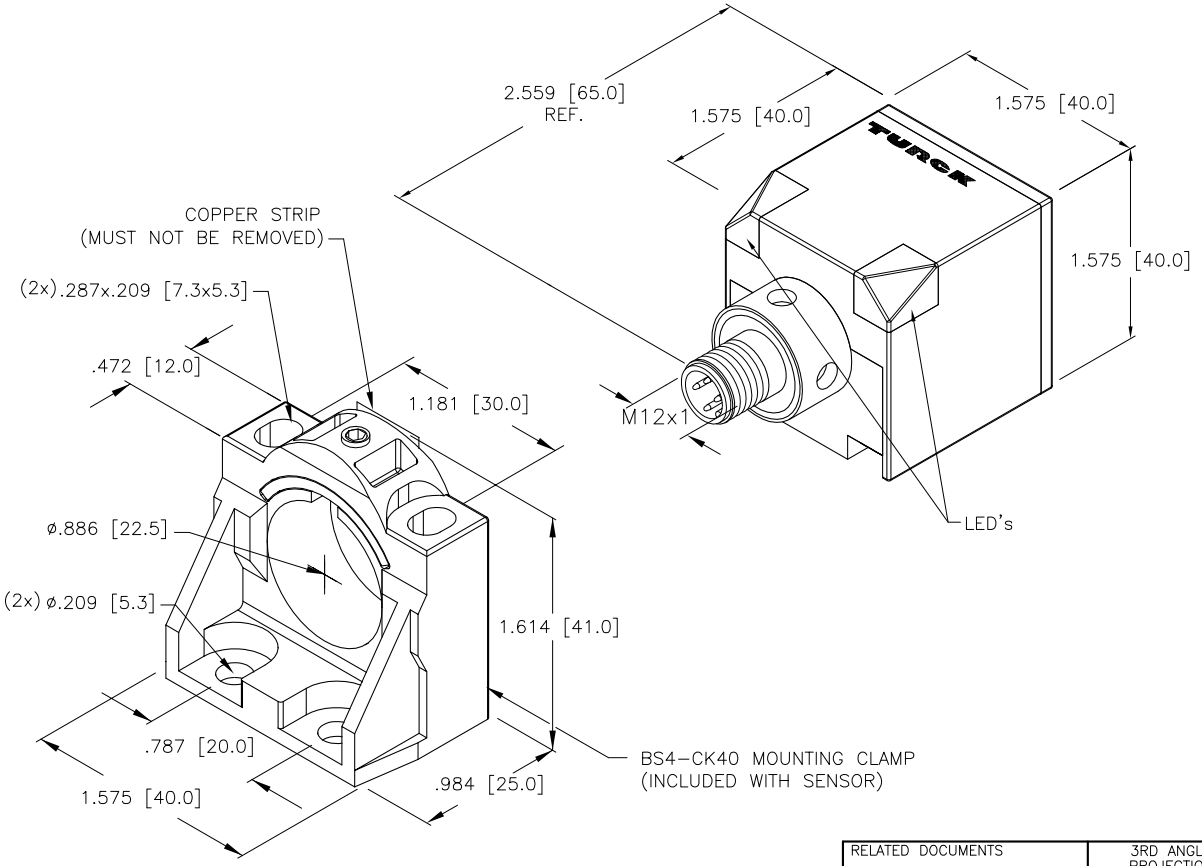


OUTPUT: AN6X2

SHORT–CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

RATED OPERATING DISTANCE	35 mm = 1.378"
MOUNTING MODE	NON–FLUSH, PARTIAL EMBEDDING POSSIBLE
REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10% ≤ ±15%, ≤ –25°C v ≥ +70°C
HYSTERESIS	3–15%
OPERATING TEMPERATURE	–30°C to +85°C (–22°F to +185°F)
OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤ 10%
DC CONTINUOUS LOAD CURRENT	≤ 200 mA
NO–LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT–CIRCUIT PROTECTED	YES
MAX. VOLTAGE DROP	≤ 1.8 V
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE–BREAK PROTECTION	INCORPORATED
OUTPUT FUNCTION	3–WIRE, NORMALLY OPEN, NPN
MAX. SWITCHING FREQUENCY	≤ 0.25 kHz
HOUSING MATERIAL/COLOR	PLASTIC, PBT–GF30–V0/BLACK
MATERIAL ACTIVE FACE/COLOR	PLASTIC, PA6–GF30–X/YELLOW
CONNECTOR TYPE	M12x1
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK	30 g, 11 ms
PROTECTION	IP68
SUPPLY VOLTAGE INDICATION	LED – GREEN
SWITCHING STATUS INDICATION	LED – YELLOW



SOURCE DRAWING - FOR REFERENCE ONLY

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.

REV	DESCRIPTION	BY	DATE	ECO NO.
A	DRAWING RELEASE	RDS	02/06/07	

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

CONTACT TURCK FOR MORE INFORMATION

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UNIT OF MEASUREMENT
INCH [MILLIMETER]
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DESCRIPTION
NI35U–CK40–AN6X2–H1141 W/BS 4

IDENTIFICATION NO.
M1625810

REV
A

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