

WIRING DIAGRAM

BRN
BLK
BLU

LOAD

OUTPUT: AN7X

WARNING: NO SHORT-CIRCUIT PROTECTION
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.

LOCKNUT LN-M12

M12x1

.773 [19.6]

.669 [17.0]

.158 [4.0]

SPECIFICATIONS	
RATED OPERATING DISTANCE	5.0mm [.197"]
MOUNTING CONDITION	NON-FLUSH
REPEATABILITY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS	3-15%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE	10-30 VDC
RESIDUAL RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES
VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE DC, NORMALLY OPEN, NPN
SWITCHING FREQUENCY	≤ 1.5 kHz
HOUSING MATERIAL	BRASS, CHROME-PLATED
MATERIAL ACTIVE FACE	PLASTIC, PA12-GF20
CONNECTION	M12x1
VIBRATION RESISTANCE	55 Hz (1mm)
SHOCK RESISTANCE	30 g, (11 ms)
PROTECTION	IP 67
SWITCHING STATE	LED: YELLOW

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS				3RD ANGLE PROJECTION		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		TURCK 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us			
1. 2. 3. 4.						DRFT RDS		DATE 01/09/12		DESCRIPTION NI5-G12-AN7X-H1141	
MATERIAL SEE SPECIFICATIONS						APVD J.M.		SCALE 1=1.0			
FINISH SEE SPECIFICATIONS				ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. 1714593		REV B	
CONTACT TURCK FOR MORE INFORMATION				DO NOT SCALE THIS DRAWING		FILE: 1714593		SHEET 1 OF 1			

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