



SPECIFICATIONS	
INTERNAL RING DIAMETER	15.1 mm = .594" (NOMINAL)
STEEL BALL DIAMETER	≥ 3.0mm
FLY-BY SPEED	1-28 m/s
PULSE STOP	≥ 5 ms
OUTPUT PULSE LENGTH	≥ 100 ms ± 20%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE	10-30 VDC
RESIDUAL RIPPLE	≤ 10%
DC RATED OPERATIONAL CURRENT	≤ 200 mA
NO LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT CIRCUIT PROTECTION	INCORPORATED
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE-BREAK PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 0.008 kHz
HOUSING MATERIAL	PLASTIC, PBT
CABLE	ø5.2, TPU
VIBRATION RESISTANCE	55 Hz, (1mm) IN ALL 3 PLANES
SHOCK RESISTANCE	30 g, (11 ms)
DEGREE OF PROTECTION	IP67
OPERATING VOLTAGE INDICATION	LED: GREEN
SWITCHING STATUS INDICATION	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.		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us			
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					2.									
					3.									
4.		MATERIAL		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT		RDS		DATE 03/01/17		DESCRIPTION BI15R-Q14-AP6X2-0.2-RS4T		
SEE SPECIFICATIONS		APVD				A.F.		SCALE 1=1.5						
FINISH		CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>				IDENTIFICATION NO.  1406292				REV  C		
C	UPDATE SENSOR AND SPECS				NF	05/30/25	81216							
REV	DESCRIPTION				BY	DATE	ECO NO.		DO NOT SCALE THIS DRAWING					
								FILE: 1406292				SHEET 1 OF 1		