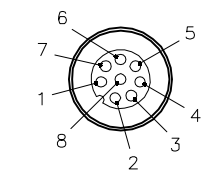


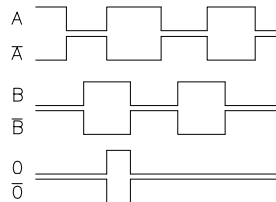
MALE END VIEW



1 = V-
2 = V+
3 = A
4 = $\bar{A}$
5 = B
6 = $\bar{B}$
7 = Z
8 = $\bar{Z}$

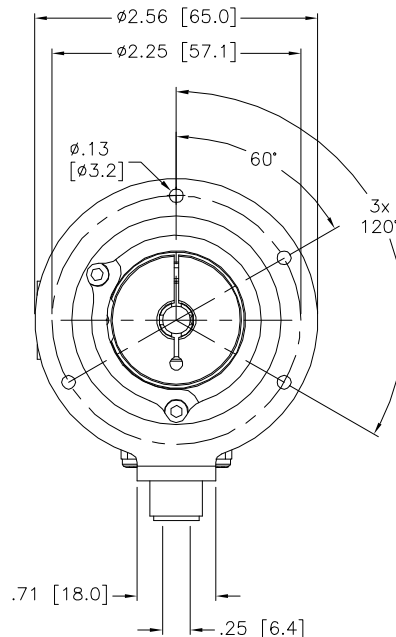
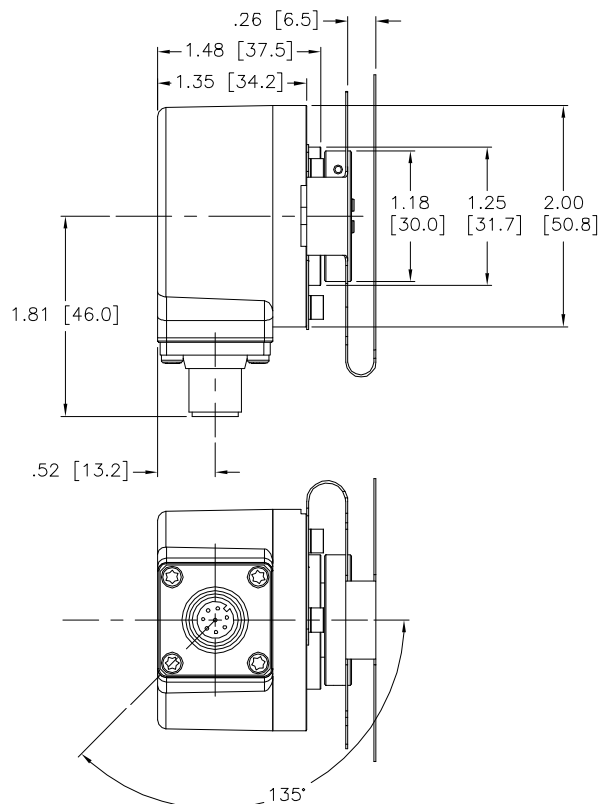


OUTPUT SIGNAL FORMAT



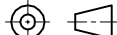
SPECIFICATIONS

OUTPUT CIRCUIT	PUSH-PULL (7272 w/o BYPASS CAPACITOR)
SUPPLY VOLTAGE	5-30 VDC
POWER CONSUMPTION (NO LOAD)	<150mA (50mA typical)
PERMISSIBLE LOAD/CHANNEL	±20 mA MAX
PULSE RATE	100ppr
PULSE FREQUENCY	300 kHz MAX.
SHORT-CIRCUIT PROTECTION	YES
REVERSE POLARITY PROTECTION AT V+	NO
MAX. SPEED	6,000 RPM
MAX SPEED CONTINOUS	3,000 RPM
MOMENT OF INTERIA	6×10^{-6} kgm ²
STARTING TORQUE AT 20C	<0.05 Nm
TEMPERATURE RANGE	-40°C to +85°C (-40°F to +185°F)
HOUSING MATERIAL	DIE CAST ZINC
FLANGE MATERIAL	ALUMINUM
SHAFT MATERIAL	STAINLESS STEEL
SHOCK RESISTANCE	250g (2500m/s ²), 6ms
VIBRATION RESISTANCE	10g (100m/s ²), 10-2000 Hz
PROTECTION CLASS	MEETS IEC IP67
UL CERTIFIED	YES, FILE E224618
CE DECLARATION OF CONFORMANCE	YES, 2004/108/EG



NOTES:

1. "/N24" DESIGNATES AN ENCODER WITH SPECIAL WAVEFORM SIGNALS. SEE OUTPUT SIGNAL FORMAT.
2. "/N61" DESIGNATES AN ENCODER WITH THE M12 KEYWAY ROTATED 180 DEGREES.

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 SEE SPECIFICATIONS	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT NF	DATE 11/18/15	DESCRIPTION RI-12HA0E2-2K100-H1181/N24/N6	
FINISH SEE SPECIFICATIONS		APVD K.H.	SCALE 1=1.8		
		CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT INCH [MILLIMETER] DO NOT SCALE THIS DRAWING		IDENTIFICATION NO. 1545443
				FILE: 1545443	SHEET 1 OF 1

A	DRAWING RELEASE	NF	11/19/15	
REV	DESCRIPTION	BY	DATE	ECO NO.