

MALE END VIEW

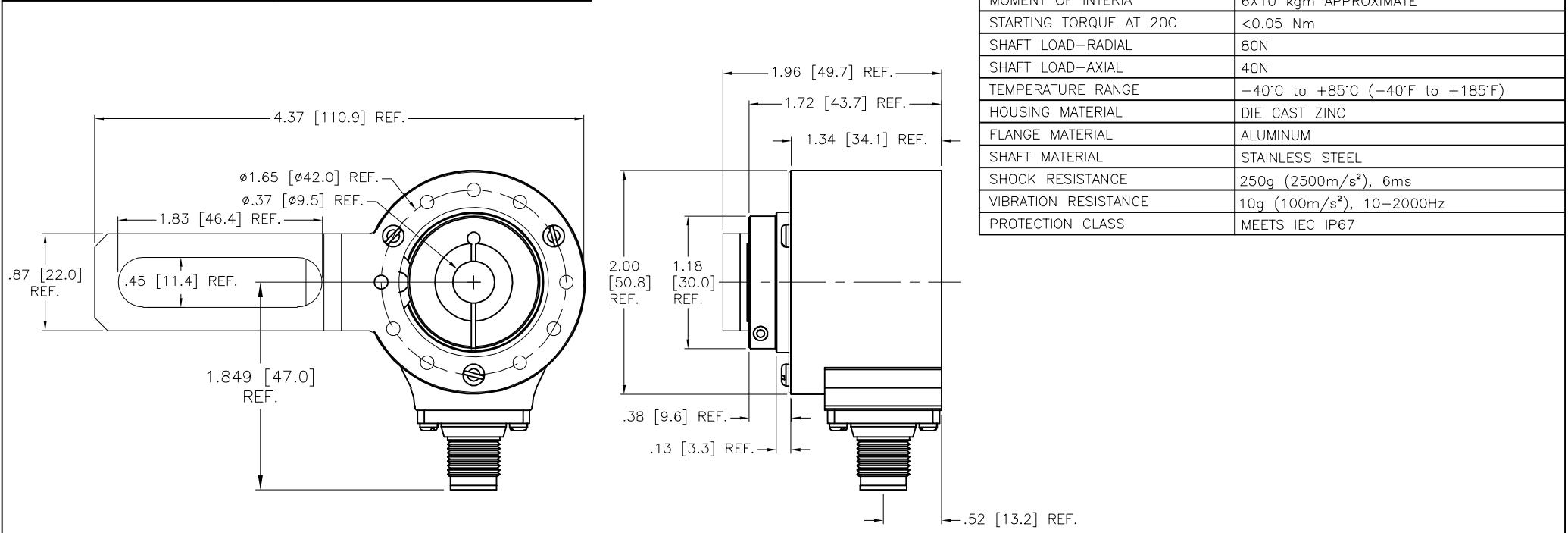
1 = V+
2 = B
3 = V-
4 = A
5 = N/C

OUTPUT SIGNAL FORMAT

A

B

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
SIGNAL LEVEL HIGH	V+ -2.0V MIN.
SIGNAL LEVEL LOW	0.5 V MAX.
PULSE RATE	2500 ppr
OUTPUT SIGNALS	TWO-CHANNEL (A-B QUADRATURE)
PULSE FREQUENCY	300 kHz MAX.
SHORT-CIRCUIT PROTECTION	YES, SEE NOTE 1
REVERSE POLARITY PROTECTION AT V+	NO
MAX. SPEED	6,000 RPM
MOMENT OF INTERIA	6X10 kgm APPROXIMATE
STARTING TORQUE AT 20C	<0.05 Nm
SHAFT LOAD-RADIAL	80N
SHAFT LOAD-AXIAL	40N
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/s²), 6ms
VIBRATION RESISTANCE	10g (100m/s²), 10-2000Hz
PROTECTION CLASS	MEETS IEC IP67



SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:
1. ONLY ONE CHANNEL CAN BE SHORTED-OUT AT ONE TIME. SHORT-CIRCUIT TO CHANNEL OR 0 V IS PERMITTED.
2. A LEADS B WHEN THE SHAFT IS TURNED IN THE CLOCKWISE DIRECTION VIEWING THE COLLET END.

A	DRAWING RELEASE	NF	03/20/23	
REV	DESCRIPTION	BY	DATE	ECO. NO.

RELATED DOCUMENTS

1.
2.
3.
4.

3RD ANGLE PROJECTION

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DRFT NF
APVD K.H.

DATE 03/20/23
SCALE 1=1.3

UNIT OF MEASUREMENT
INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

3000 CAMPUS DRIVE
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DESCRIPTION
RI-12HA1S1-2K2500-H1151/N73

IDENTIFICATION NO.
1545783

REV
A

FILE: 1545783	SHEET 1 OF 1
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