

**Heavy duty bearingless encoder**

- Magnetic scanning
- Protected housing
- No air gap adjustments required
- Fit 8,5" C-Face motors
- Easy installation

**Mechanical data**

Operating temperature	-40 °C...+80 °C
Ingress protection class [IEC 60529]	IP67 (Electronics)
Vibration [IEC 60068-2-64]	≤ 200 m/s ²
Shock [IEC 60068-2-27]	≤ 1500 m/s ²
Rotational speed max	5850 rpm
Scanning axial tolerance	± 4 mm
Scanning radial tolerance	0,1-3 mm (Nominal 1 mm)
Fastening type	ClampFit
Material	Aluminium (anodized)

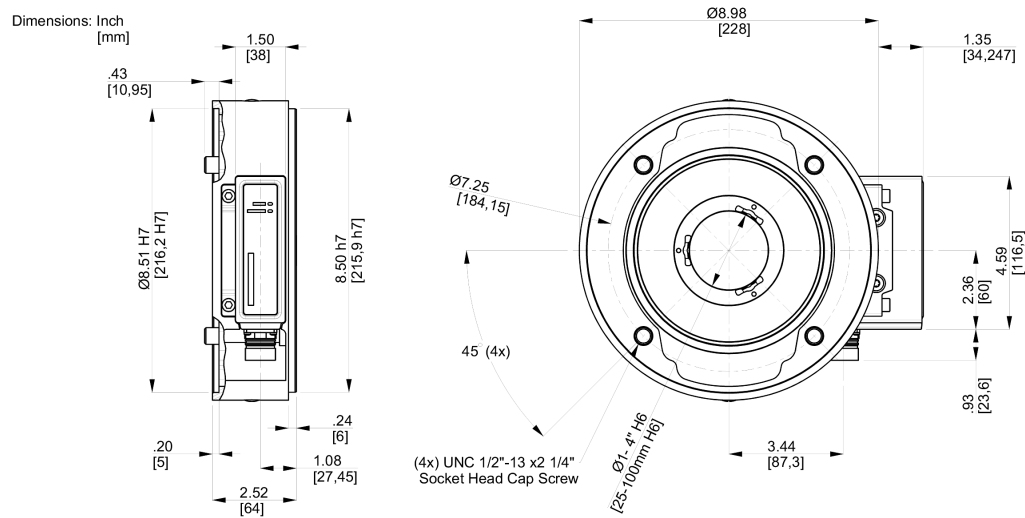
Encoder configuration

Code key	2850025058
Type	MRI
Model	2850 - Bearingless
Shaft type	Ø80 mm, hollow through shaft
Resolution	1024 ppr
Output signal	High Current HTL (HCHTL)
Connection type	M23 connector 12-pin
Power supply	9...30 Vdc

Electrical data

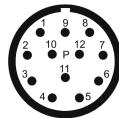
Polarity protected	Yes
Short circuit protected outputs	Yes
Current consumption (No load)	60 mA at 24 Vdc (Max. 80 mA)
Incremental output load (max)	± 40 mA
Output frequency max	100 KHz
Cable length max	350 m at 100 kHz
Number of channels	6 (S00, S00\, S90, S90\, Sref, Sref\)

Dimensions

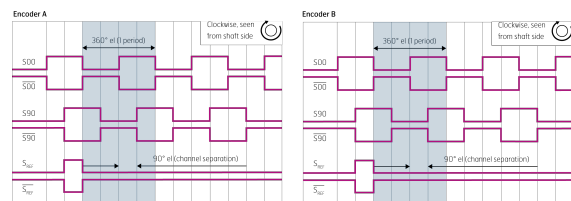


Pin Configuration

Function	Pin
S00	5
S00 inverted	6
S90	8
S90 inverted	1
Sref	3
Sref inverted	4
+E Volt	12
0 Volt	10
case	Chassis



Output signal



Order information

Part number	1161393-01
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