

Heavy duty bearingless encoder

- Magnetic scanning
- ClampFit
- Light-weight aluminium
- Separated ring segments for simplified commissioning
- Extended scanning gap



Mechanical data

Operating temperature	-40 °C...80 °C
Ingress protection class [IEC 60529]	IP67
Vibration [IEC 60068-2-64]	≤ 200 m/s ²
Shock [IEC 60068-2-27]	≤ 1500 m/s ²
Rotational speed max	2454 rpm
Min. speed for rated accuracy	89 rpm
Scanning axial tolerance	± 4 mm
Scanning radial tolerance	0,1-6 mm (Nominal 3 mm)
Fastening type	ClampFIT
Number of segments	2
Ring dimension	Inner ø 335,00 mm ; Outer ø 415,20 mm
Mounting bracket	Yes

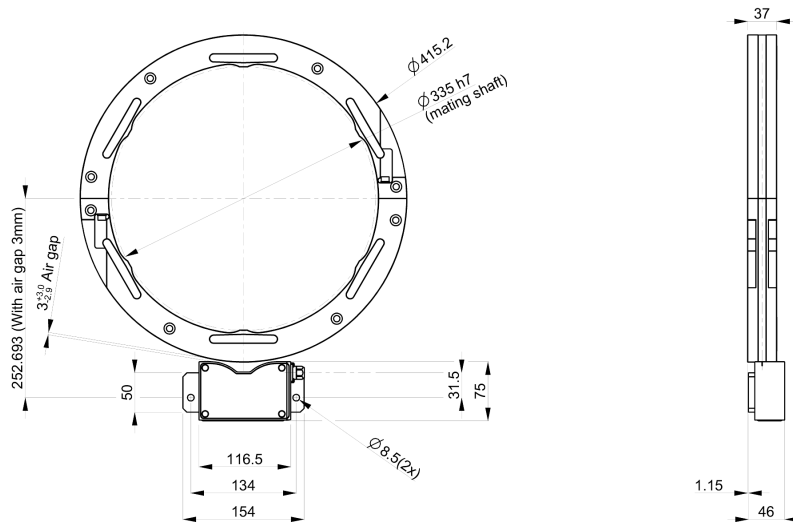
Encoder configuration

Code key	230625134
Type	MRI
Model	2306
Resolution	1024 ppr
Power supply	9-30 Vdc
Output signal	High Current HTL (HCHTL)
Connection type	Cable
Cable length	1,50 m
Number of channels	6 (S00, S00\, S90, S90\, Sref, Sref\)

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\)

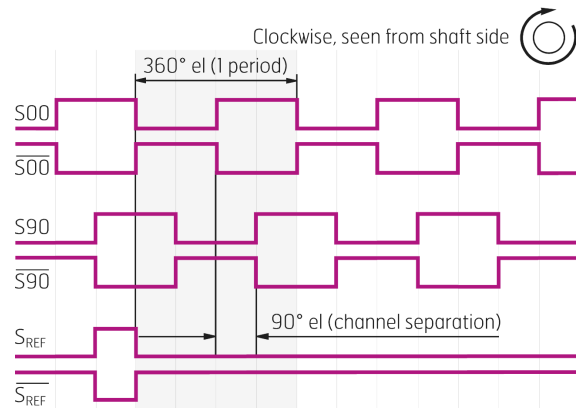
Dimensions



Pin Configuration

Function	Colour
S90	Green
S90 Inverted	White
S00 Inverted	Black
S00	Yellow
+E Volt	Red
0 Volt	Blue
Sref	Brown
Sref Inverted	Violet
Case	Shield

Output signal



Order information

Part number	1363758-01
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