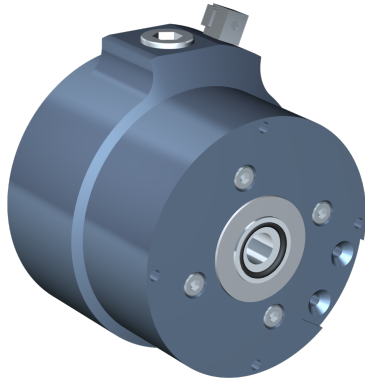


**X-heavy duty Hollow shaft encoder, Incremental**

- Performance hollow shaft encoder for heavy duty industries
- High vibration and shock resistance
- Certified according to ATEX and IECEx

**Mechanical data**

Operating temperature	-40 °C...+60 °C
Ingress protection class [IEC 60529]	IP65
Vibration [IEC 60068-2-64]	10 g, 50-2000 Hz
Shock [IEC 60068-2-27]	100 g, 11 ms
Shaft load max (axial/radial)	100 N / 150 N
Rotational speed max	4200 rpm
Shaft material	Stainless steel
Cover material	Aluminium (anodized)
Weight	1700 g

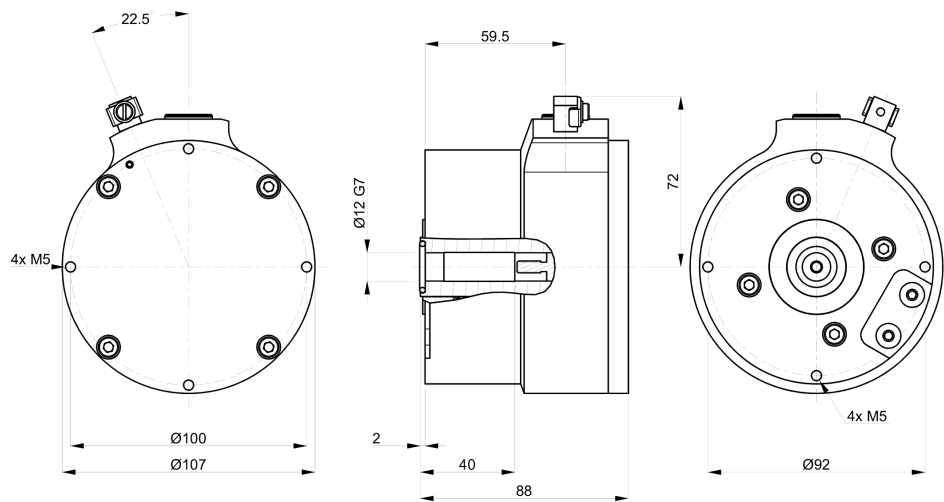
Encoder configuration

Type	XHI
Model	841
Shaft type	Ø12 mm blind hollow shaft
Flange type	841-flange
Resolution	2048 ppr
Power supply	9-30 Vdc
Output signal	High Current HTL (HCHTL)
Connection type	Screw terminals
Connecting direction	Radial
Number of channels	3 (S00, S90, Sref)
Certification ATEX	EX II 2G Ex db IIC T5, EX II 2D Ex tb IIIC T100 °C
Certification IECEx	Ex db IIC T5, Ex tb IIIC T100 °C

Electrical data

Polarity protected	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
Channel separation	90 °el ± 25 °el
Dividing error	± 50 °el
MTTFd value [Years]	1111

Dimensions



Pin Configuration

Function	Terminal
+E Volt	1
0 Volt	2
0	3
0 Volt	4
1	5
0 Volt	6
2	7
0 Volt	8

Available options

Torque support
Advanced Diagnostic System

Order information

Part number	1096689-01
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