

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

- Performance hollow shaft encoder for heavy duty industries
- Hybrid bearings for extended lifetime
- High vibration and shock resistance
- Electrically insulated shaft; up to 2,5 kV

**Mechanical data**

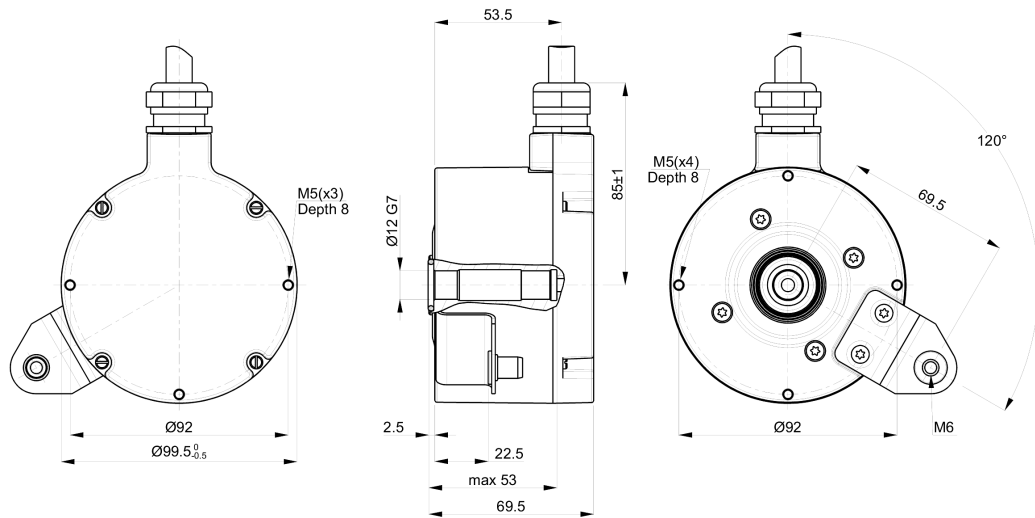
Operating temperature	-40 °C...+100 °C
Ingress protection class [IEC 60529]	IP67 (IP66 at shaft inlet)
Vibration [IEC 60068-2-64]	≤ 20 g, 55-2000 Hz
Shock [IEC 60068-2-27]	≤ 400 g, 3.5 ms
Shaft load max (axial/radial)	500 N / 1200 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel with insulated hybrid bearings
Cover material	Aluminium (coated)
Weight	1300 g

Encoder configuration

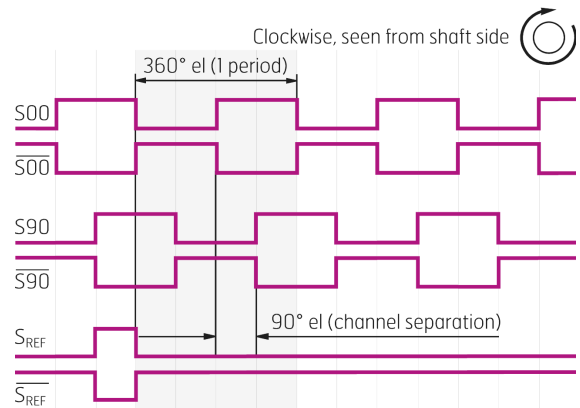
Code key	862107976
Type	XHI
Shaft type	Ø12 mm blind hollow shaft
Flange type	86-flange
Resolution	1024 ppr
Power supply	9-30 Vdc
Output signal	RS422
Connection type	Cable
Cable length	3.00 m
Number of channels	6 (S00, S00\, S90, S90\, Sref, Sref\)
Cable gland dimension	M20 for Ø8-11 mm cables
Torque bracket	120° orientation

Electrical data

Polarity protected	Yes
Short circuit protected incremental outputs	Yes
Current consumption (No load)	60 mA at 24 Vdc (Max. 80 mA)
Incremental output load (max)	± 20 mA
Output frequency max	200 kHz
Cable length max	1000 m
Channel separation	90 °el ± 25 °el
Dividing error	± 50 °el

Dimensions**Pin Configuration**

Function	Colour
+E volt	Red
0 Volt	Blue
0 (Sref)	Brown
0 inverted (Sref\)	Violet
1 (S90)	Green
1 inverted (S90\)	White
2 (S00)	Yellow
2 inverted (S00\)	Black
Chassis	Shield

Output signal**Available options**

Advanced Diagnostic System

Order information

Part number 880960-01