

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

- Performance hollow shaft encoder for heavy duty industries
- High vibration and shock resistance
- Electrically insulated shaft

**Mechanical data**

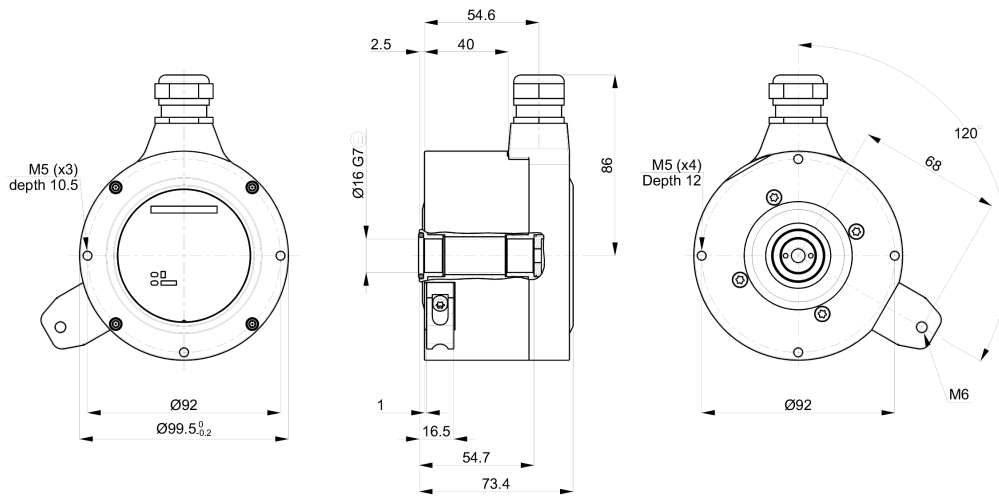
Operating temperature	-20 °C...+85 °C
Ingress protection class [IEC 60529]	IP67 (IP66 at shaft inlet)
Vibration [IEC 60068-2-64]	≤ 20 g, 55-2000 Hz
Shock [IEC 60068-2-27]	200 g, 6 ms
Shaft load max (axial/radial)	500 N / 1200 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel with insulated peek insert
Cover material	Aluminium (anodized)
Weight	1400 g

Encoder configuration

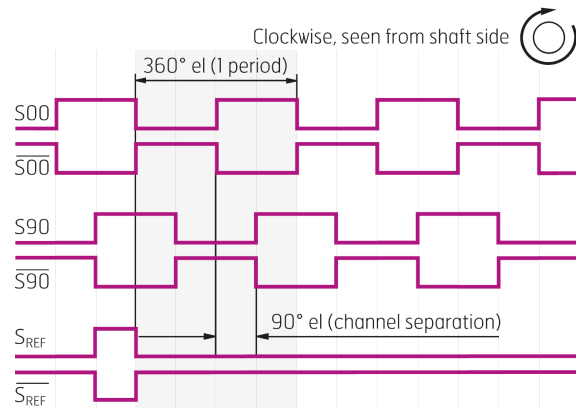
Code key	8611b8456
Type	XHI
Shaft type	Ø16 mm blind hollow shaft
Flange type	86-flange
Resolution	1024 ppr
Power supply	9-30 Vdc
Output signal	High Current HTL (HCHTL)
Connection type	1x Cable gland M20
Number of channels	6 (S00, S00\, S90, S90\, Sref, Sref\)
Advanced Diagnostic System	ADS Uptime
Cable gland dimension	M20 for Ø8-11 mm cables
Torque bracket	120° orientation
Bluetooth range	20 m at normal condition

Electrical data

Polarity protected	Yes
Short circuit protected incremental outputs	Yes
Current consumption (No load)	130 mA at 24 Vdc (Max. 240 mA)
Incremental output load (max)	± 40 mA
Output frequency max	200 kHz
Cable length max	350 m at 100 kHz
Channel separation	90 °el ± 25 °el
Dividing error	± 50 °el

Dimensions**Pin Configuration**

Function	Terminal
1 (S90)	1
1 inv (S90 inverted)	2
0 (Sref)	3
0 inv (Sref inverted)	4
Status cmn -	6
Status 2+	7
Status 1+	8
0 Volt	9
+E Volt	10
2 (S00)	11
2 inv (S00 inverted)	12
RS485+	13
RS485-	14

Output signal**Order information**

Part number	1341361-01
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