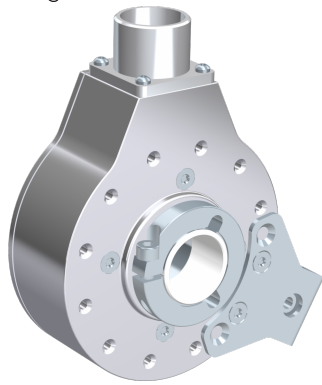




Compact Hollow shaft encoder, Incremental

- Robust encoder in compact design
- Total build length 55 mm
- Through-going hollow shaft with insulated peek insert



Mechanical data

Operating temperature	-40 °C...85 °C
Ingress protection class [IEC 60529]	IP67 (IP66 at shaft inlet)
Vibration [IEC 60068-2-64]	≤ 200 m/s ²
Shock [IEC 60068-2-27]	≤ 1500 m/s ²
Shaft load max (axial/radial)	50 N / 100 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel with insulated peek insert
Cover material	Aluminium (anodized)
Weight	1000 g

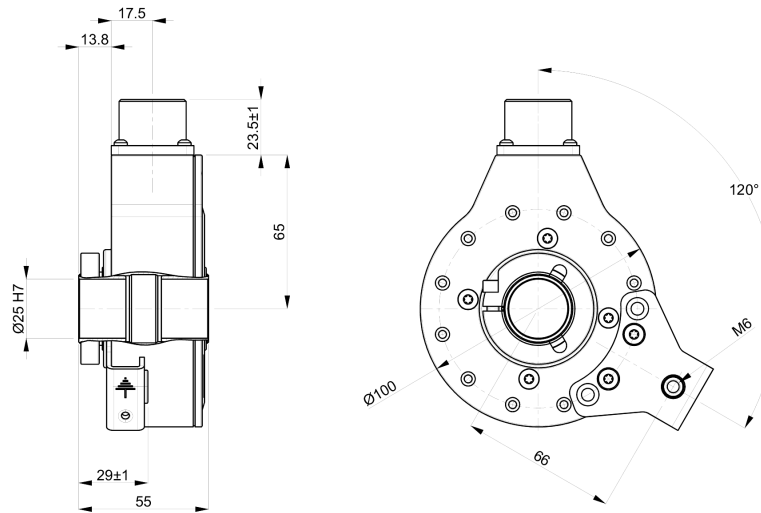
Encoder configuration

Code key	703252508
Type	CHI
Model	703
Shaft type	Ø25 mm through-going hollow shaft
Flange type	87-flange
Resolution	1024 ppr
Power supply	9-30 Vdc
Output signal	High Current HTL (HCHTL)
Connection type	MS connector 10-pin
Connecting direction	Radial
Number of channels	6 (S00, S00\, S90, S90\, Sref, Sref\)
Torque Support	120° torque bracket

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)	± 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

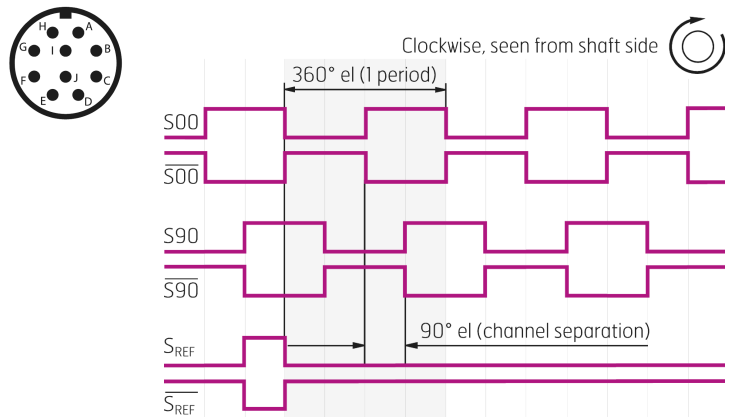
Dimensions



Pin Configuration

Function	Pin
S00	A
S90	B
Sref	C
+E Volt	D
+EV Sensor	E
0 Volt	F
S00 inverted	G
S90 inverted	H
Sref inverted	I
Screen	Housing

Output signal



Order information

Part number	784797-01
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