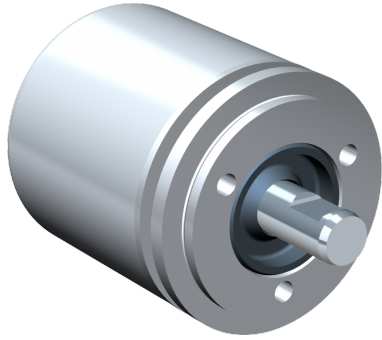




- IP 67 encapsulation class
- Short-circuit protected electrical outputs
- Polarity protected power supply
- Shock and vibration protected



Mechanical data

Operating temperature	-40 °C...+70 °C
Ingress protection class [IEC 60529]	IP67
Vibration [IEC 60068-2-64]	≤ 300 m/s ²
Shock [IEC 60068-2-27]	≤ 5000 m/s ²
Shaft load max (axial/radial)	10 N / 10 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel
Cover material	Aluminium (anodized)
Weight	70 g

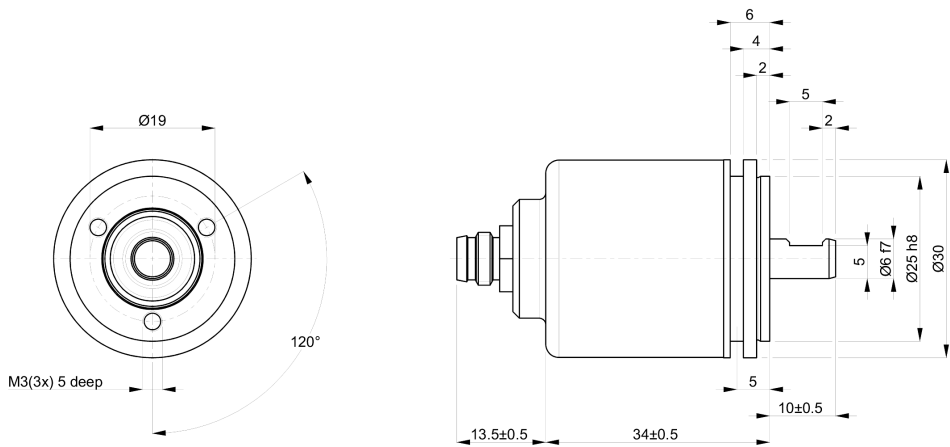
Encoder configuration

Type	MSI
Model	301 Extra robust
Shaft type	Ø6 mm with partial flat
Flange type	Synchro flange (31-type)
Resolution	125 ppr
Power supply	9-36 Vdc
Output signal	HTL
Connection type	M8 connector 4-pin
Connecting direction	Axial
Number of channels	2 (S00, S90)

Electrical data

Polarity protected	Yes
Short circuit protected outputs	Yes
Current consumption (No load)	10 mA at 24 Vdc (Max. 70 mA)
Incremental output load (max)	± 20 mA
Output frequency max	200 kHz
Cable length max	50 m at 50 kHz
Channel separation	90 °el ± 25 °el
Dividing error	± 50 °el

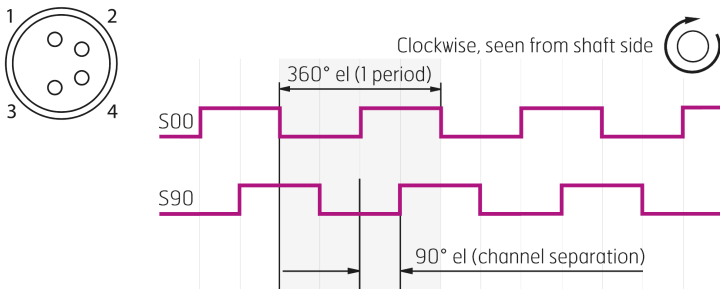
Dimensions



Pin Configuration

Function	Pin
+E Volt	1
0 Volt	2
S90	3
S00	4

Output signal



Order information

Part number	599657-01
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