

### Modular Hollow shaft encoder, Incremental

- Robust encoder with hollow shaft
- Short-circuited protected outputs
- IP67 at housing, IP66 at shaft inlet
- Inductive scanning



### Mechanical data

Operating temperature	-20 °C...+100 °C
Ingress protection class [IEC 60529]	IP67 (IP66 at shaft inlet)
Vibration [IEC 60068-2-64]	≤ 100 m/s <sup>2</sup> (10-2000 Hz)
Shock [IEC 60068-2-27]	≤ 2000 m/s <sup>2</sup>
Shaft load (axial/radial)	100 N / 300 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel
Cover material	Aluminium (Anodized)
Encoder weight	520 g

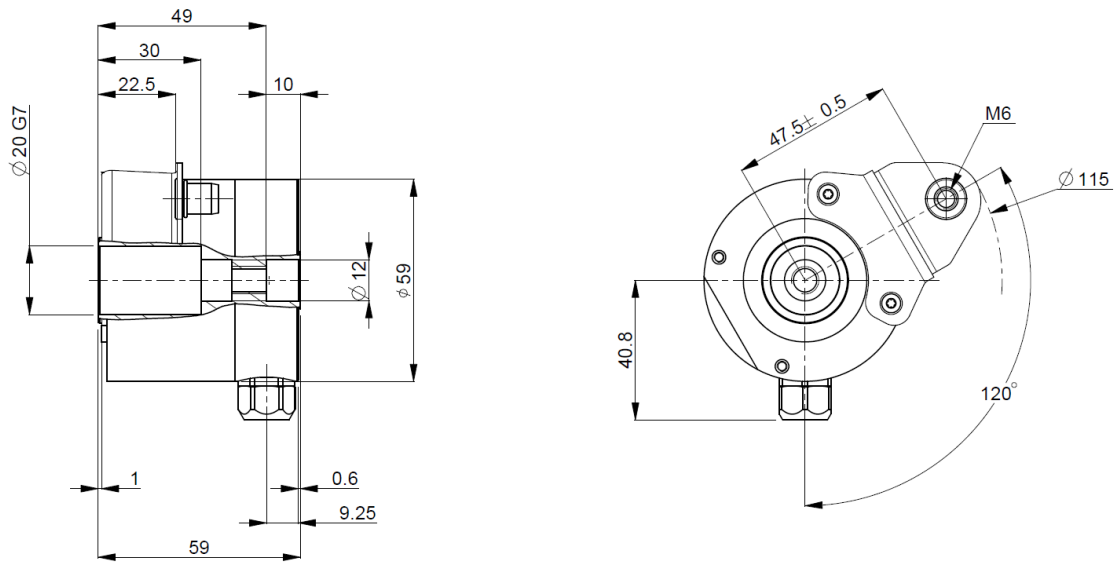
### Encoder configuration

Type	MHI
Model	594
Shaft type	Ø20 mm hollow shaft
Flange type	58/59-flange with torque arm bracket
Shaft fixation	Axial screw
Resolution	600 ppr
Power supply	9-30 Vdc
Output signal	HTL
Connection type	Cable, Ø7.9 mm PUR 5x2x0.25
Connecting direction	Radial
Cable length	1.50 m
Number of channels	6 (S00, S00\, S90, S90\, Sref\, Sref\)
STATUS signal	Yes

### Electrical data

Polarity protected	Yes
Short circuit protected outputs	Yes
Current consumption	60 mA at 24 Vdc (Max. 130 mA at 9 Vdc)
Incremental output load (max)	± 40 mA
Output frequency max	205 khz at 50m cable
Cable length max	100 m at 100 kHz
Channel separation	90 °el ± 25 °el
Encoder accuracy	< 300" (arc seconds) @ < 500 rpm
Duty cycle	180 °el ± 27 °el
Start up time	< 2 seconds

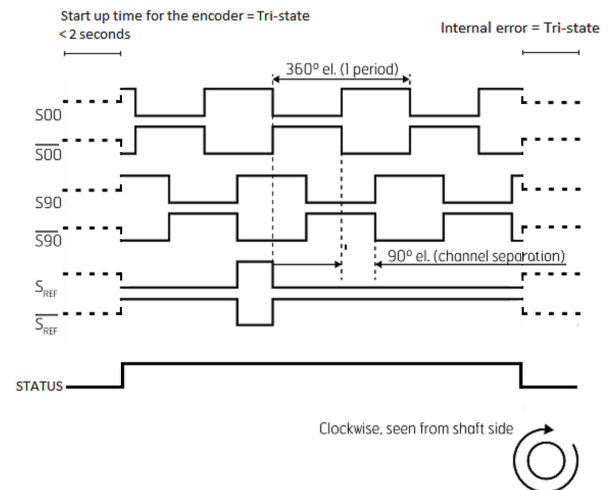
## Dimensions



## Pin Configuration

Function	Colour
+ E Volt	Red
0 Volt	Blue
S00	Yellow
S00 inverted	Black
S90	Green
S90 inverted	White
Sref	Brown
Sref inverted	Violet
STATUS	Grey
Not connected	Pink
Case	Shield

## Output signal



## Order information

Part number	1361434-01
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