

Ruggedized Hollow shaft encoder, Absolute

- 58mm diameter
- Singleturn resolution 13 bit
- Robust design
- Shock and vibration protected

**Mechanical data**

Operating temperature	-40 °C...+100 °C
Ingress protection class [IEC 60529]	IP67/IP64 (Encoder body/Shaft inlet)
Vibration [IEC 60068-2-64]	≤ 150 m/s ²
Shock [IEC 60068-2-27]	≤ 1000 m/s ²
Shaft load max (axial/radial)	10 / 20 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel
Cover material	Aluminium (Anodized)
Weight	300 g

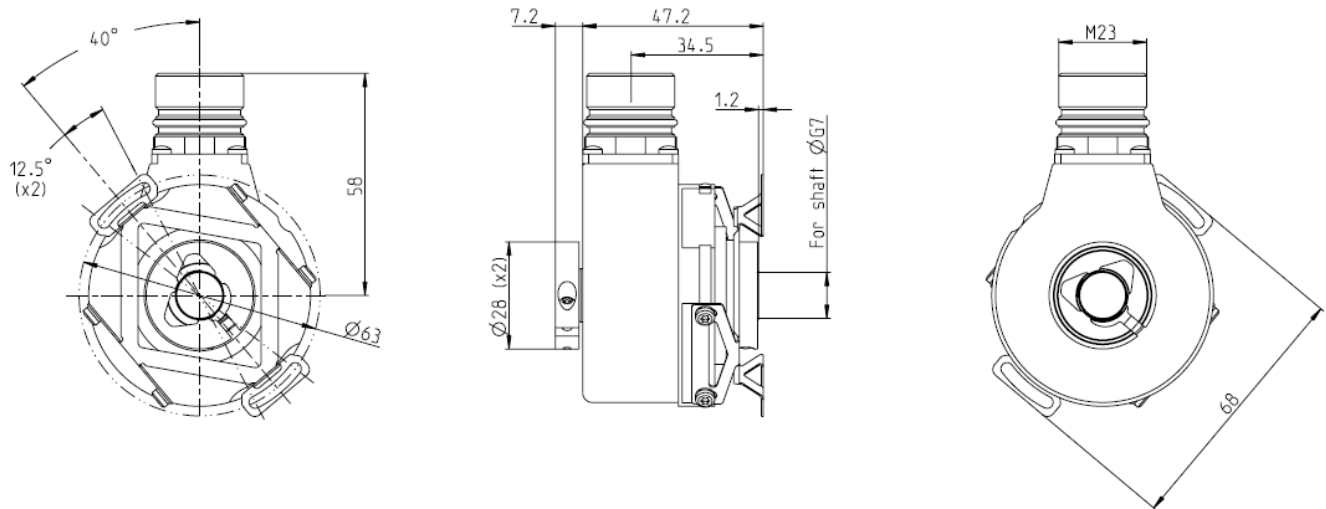
Encoder configuration

Type	RHA
Model	607 Singleturn
Shaft type	Ø12 mm through-going hollow shaft
Flange type	58/59-flange with stator coupling
Power supply	5 Vdc
Output interface	EnDat 2.1 with additional 1Vpp signals
Absolute resolution	13 bit singleturn
Incremental signal resolution	512 ppr 1Vpp (Sinusoidal)
Connection type	M23 connector 17-pin
Connecting direction	Radial

Electrical data

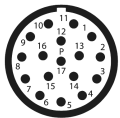
Polarity protected	No
Current consumption (No load)	Max 160 mA
Cable length max	Max. 100 m (10 m at 2 MHz)
Absolute accuracy	± 60 arcsec
Frequency range	Max. 2 MHz

Dimensions



Pin Configuration

Function	Pin / Cable colour
0 Volt	10 / White-Green
0V sense	4 / White
+E Volt	7 / Brown-Green
+EV sense	1 / Blue
A	15 / Green-Black
A inverted	16 / Yellow-Black
B	12 / Blue-Black
B inverted	13 / Red-Black
Data	14 / Grey
Data inverted	17 / Pink
Clock	8 / Violet
Clock inverted	9 / Yellow
Internal shield	11 / Internal shield
Chassis	Shield



Order information

Part number	620892-01
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