

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



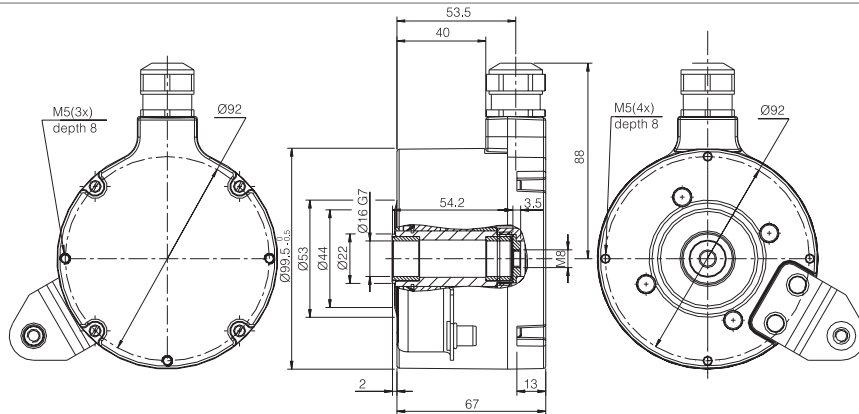
## Technical data

Operating temperature	-20 °C .. +100 °C
Ingress protection class [IEC 60529]	IP67 (IP66 at shaft inlet)
Vibration [IEC 60068-2-6]	≤ 200 m/s <sup>2</sup>
Shock [IEC 60068-2-27]	≤ 1500 m/s <sup>2</sup>
Cover material	Aluminium (coated)
Weight	1300 g
Shaft load (axial/radial)	100 N / 300 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel with insulated peek insert
Short circuit protected	Yes
Polarity protected	No
Current consumption	85 mA (Max. 155 mA)
Output load	± 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

## Encoder configuration

Code key description	861108516
Type	XHI
Model	861
Shaft type	Ø16 mm blind hollow shaft
Flange type	86-flange
Resolution	1024
Power supply	5 Vdc
Output signal	TTL
Connection type	Cable gland
Connecting direction	Radial
Cable gland dimension	M20 for Ø11-14 mm cables
Number of channels	6
Advanced Diagnostic System	Available upon request
Torque bracket	120 degrees orientation

## Dimensions



## Output signals



## Pin configuration

Function	Terminal
+E Volt	1
0 Volt	2
0 (Sref)	3
0 inverted (Sref\)	4
1 (S90)	5
1 inverted (S90\)	6
2 (S00)	7
2 inverted (S00\)	8
Shield	Chassis

## Ordering information

Part number 800985-01