



- 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 ²
Shock [IEC 60068-2-27]	≤ 1500 m/s ²
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	861108916
Type	XHI
Model	861
Shaft type	Ø16 mm blind hollow shaft
Flange type	86-flange
Resolution	2048
Power supply	5 Vdc
Output signal	TTL
Connection type	Cable
Connecting direction	Radial
Cable length	6.00 m
Cable gland dimension	M20 for Ø8-11 mm cables
Number of channels	6
Advanced Diagnostic System	Available upon request
Torque bracket	120 degrees orientation

Dimensions



Output signals



Pin configuration

Function	Colour
+E volt	Red
0 Volt	Blue
0 (Sref)	Brown
0 inverted (Sref\)	Violet
1 (S90)	Green
1 inverted (S90\)	White
2 (S00)	Yellow
2 inverted (S00\)	Black
Chassis	Shield

Ordering information

Part number

730261-03