

- Performance encoder for heavy duty industries
- Euro-flange and solid shaft 11 mm with key nut
- High vibration and shock resistance



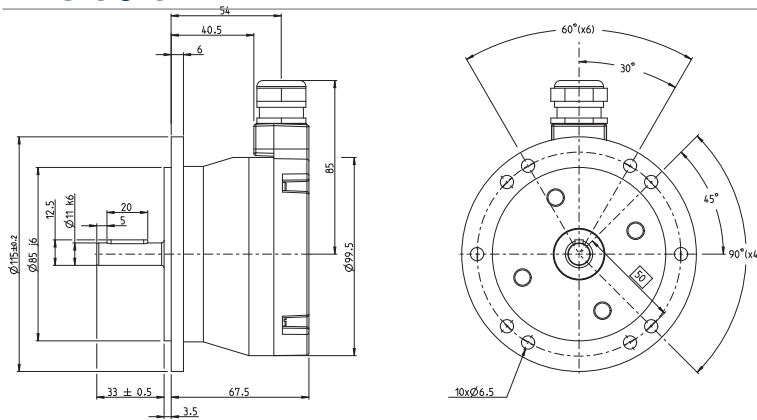
Technical data

Operating temperature	-40 °C .. +85 °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 / 100 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel
Short circuit protected	Yes
Polarity protected	Yes
Current consumption	60 mA at 24 Vdc (Max. 80 mA)
Output load	± 40 mA
Output frequency max	200 kHz
Cable length max	350 m at 100 kHz
Channel separation	90° el ± 25° el
Dividing error	±50° el

Encoder configuration

Code key description	850009556
Type	XSI
Model	850
Shaft type	Ø11 mm with key nut
Flange type	Euro-flange (B10-type)
Resolution	1000
Power supply	9-30 Vdc
Output signal	HC-HTL
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

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 750701-06