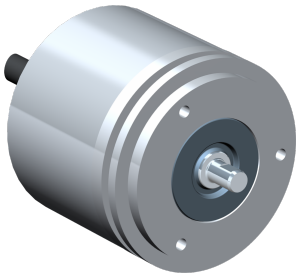
Encoder model

RSI 503

Part number

515393-54



- Robust encoder with solid shaft
- Short-circuited protected outputs
- IP67 at housing, IP66 at shaft inlet

CE

Technical data

Operating temperature	-40 °C .. +70 °C
Ingress protection class [IEC 60529]	IP67 (IP66 at shaft inlet)
Vibration [IEC 60068-2-6]	≤ 300 m/s²
Shock [IEC 60068-2-27]	≤ 2000 m/s²
Cover material	Aluminium
Weight	300 g
Shaft load (axial/radial)	50 N / 60 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel
Short circuit protected	Yes
Polarity protected	Yes
Current consumption	50 mA at 24 Vdc (Max. 75 mA)
Output load	±40 mA
Output frequency max	300 kHz
Cable length max	100 m at 100 kHz
Channel separation	90° el ± 25° el
Dividing error	±50° el

Encoder configuration

Type	RSI
Model	503 Standard
Shaft type	Ø6 mm with partial flat
Flange type	Synchro flange (63-type)
Resolution	800
Power supply	9-30 Vdc
Output signal	HTL
Connection type	Cable
Connecting direction	Axial
Cable length	15.00 m

17 Sep 2014 Specification can be changed without prior notice.

LEINE LINDE

T: +46 (0)152 265 00 F: +46 (0)152 265 05 info@leinelinde.com www.leinelinde.com

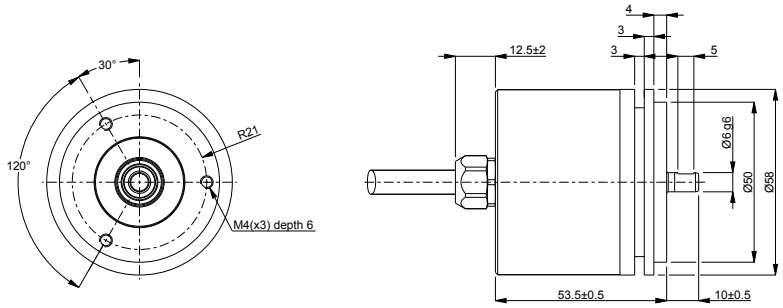
Encoder model

RSI 503

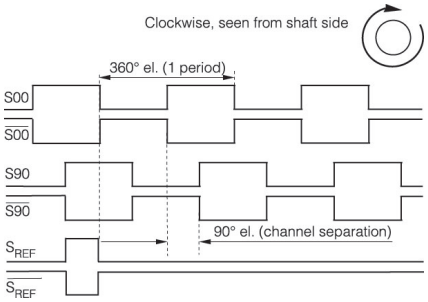
Part number

515393-54

Dimensions



Output signals



Pin configuration

Function	Colour
S00	Yellow
S00 inverted	Black
S90	Green
S90 inverted	White
Sref	Brown
Sref inverted	Violet
+E Volt	Red
0V	Blue
Status	Grey
Chassis	Shield

Ordering information

Part number	515393-54

T: +46 (0)152 265 00 F: +46 (0)152 265 05 info@leinelinde.com www.leinelinde.com

17 Sep 2014 Specification can be changed without prior notice.