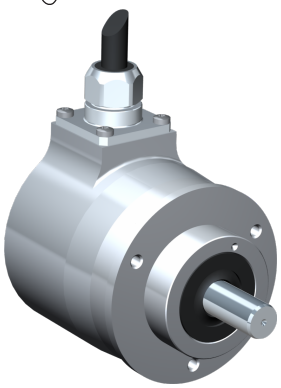
Encoder model

RSA 608

Part number

1063904-01



Ruggedized Shaft encoder, Absolute

- 58mm diameter
- Singleturn resolution 13 bit
- Multiturn resolution 12 bit
- Robust design
- Shock and vibration protected

CE

Mechanical data

Operating temperature	-40 °C...+70 °C
Ingress protection class [IEC 60529]	IP67/IP66 (Encoder body/Shaft inlet)
Vibration [IEC 60068-2-64]	≤ 300 m/s²
Shock [IEC 60068-2-27]	≤ 1000 m/s²
Shaft load max (axial/radial)	50 / 60 N
Rotational speed max	12000 rpm
Shaft material	Stainless steel
Cover material	Aluminium (anodized)
Weight	300 g

Encoder configuration

Type	RSA
Model	608 Multiturn
Shaft type	Ø10 mm round
Flange type	Clamping flange (61sp-type)
Power supply	9-30 Vdc
Output interface	SSI Gray with HTL signals
Absolute resolution	25 bit (13 bit singleturn + 12 bit multiturn)
Incremental signal resolution	1024 ppr HTL
Connection type	Cable
Connecting direction	Radial
Cable length	1.50 m

Electrical data

Polarity protected	Yes
Current consumption (No load)	60 mA at 24 Vdc (Max. 90 mA at 24 Vdc)
Cable length max	50 m
Absolute accuracy	± 158 arcsec
Frequency range	100 kHz...1 MHz

4 Apr 2026 Specification can be changed without prior notice.

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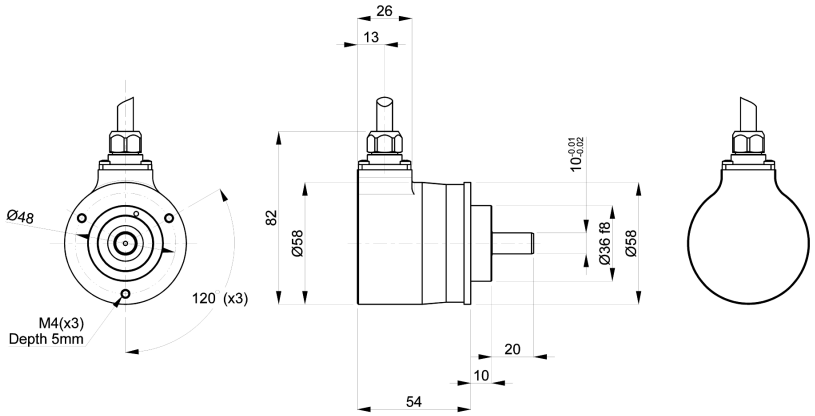
Encoder model

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Dimensions



Supported functions

Code sequence- Active high If not connected or connected to 0V the position will increase when the shaft is turned clockwise (CW) seen from the shaft end. If connected to a high logic level the position will increase while turned counter clockwise (CCW). Preset- Active high When connected to a high level for minimum 1ms the position value is set to zero (0)

Pin Configuration

Function	Color
+E Volt	Red
0 V	Blue
Code sequence	Yellow
STATUS	Green
PRESET	Black
Clock	White
Clock\	Brown
Data	Grey
Data\	Pink
S90	White/Green
S90\	White/Yellow
S00	Brown/Green
S00\	Brown/Yellow
Set Code sequence to +EV	
to change code direction	

Order information

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