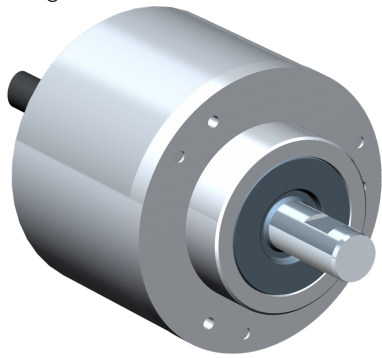




Ruggedized Shaft encoder, Absolute

- Single turn
- Robust design
- Shock and vibration protected



Mechanical data

Operating temperature	-40 °C...+80 °C
Ingress protection class [IEC 60529]	IP67 (IP66 at shaft inlet)
Vibration [IEC 60068-2-64]	≤ 300 m/s ²
Shock [IEC 60068-2-27]	≤ 2000 m/s ²
Shaft load max (axial/radial)	50 N / 60 N
Rotational speed max	6000 rpm
Shaft material	Stainless steel
Cover material	Aluminium (Anodized)
Weight	300 g

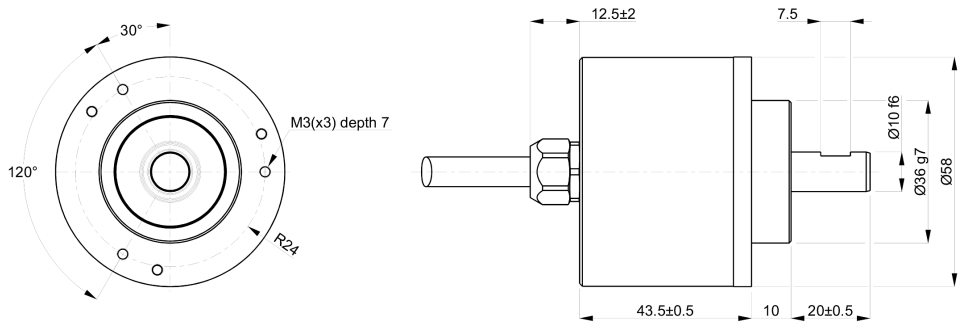
Encoder configuration

Type	RSA
Model	506 Singleturn
Shaft type	Ø10 mm with partial flat
Flange type	Clamping flange (61-type)
Power supply	5 Vdc
Output interface	Parallel Gray (SINK)
Absolute resolution	720 Low excess (720 positions per revolution)
Connection type	Cable
Connecting direction	Axial
Cable length	1.00 m

Electrical data

Polarity protected	No
Short circuit protected outputs	Yes
Current consumption (No load)	90 mA (Max. 100 mA)
Absolute accuracy	± 1 LSB

Dimensions



Supported functions

Code sequence, /Hold

Pin Configuration

Function	Colour
+E Volt	Red
0 Volt	Blue
Bit 1	White
Bit 2	Brown
Bit 3	Green
Bit 4	Yellow
Bit 5	Grey
Bit 6	Pink
Bit 7	Black
Bit 8	Violet
Bit 9	Grey/Pink
Bit 10	Blue/Red
Code sequence	White/Yellow
/Hold	Brown/Yellow
Chassis	Shield

Order information

Part number	741789-01
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