

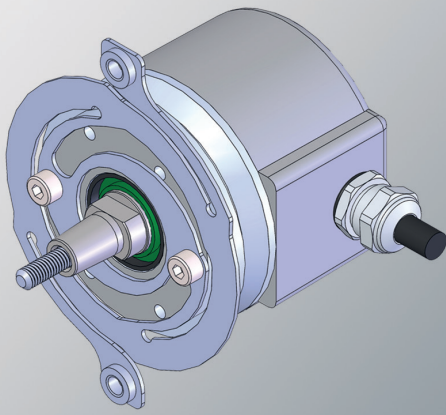


Image with flexible flange 90.1124



SERIE 67

INCREMENTAL ENCODER FOR INDUSTRIAL APPLICATIONS

Equivalent for SEW ES7C / ES7R / EK8C

- Resolution up to 1024 pulses per turn
- External diameter 58 mm
- Solid shaft $\varnothing 10$ expandable / Conic shaft 1:10
- Protection class IP66 according to DIN EN 60529
- Anti-rotation system through flexible flange
- Connection by cable (other cable length available)



Optical Encoder



Incremental Encoder



High shaft load capacity



Vibration and shock resistant



IP66

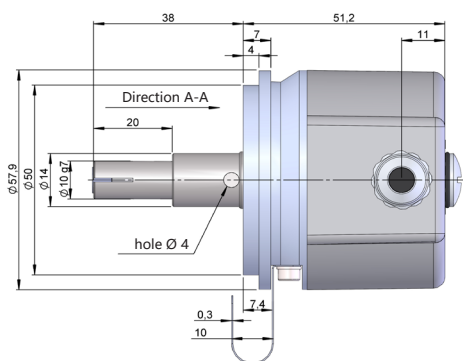


Temperature range

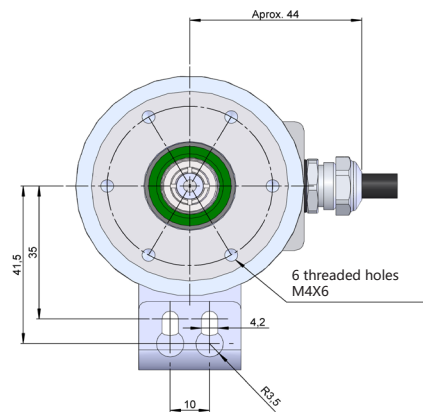


Express Delivery

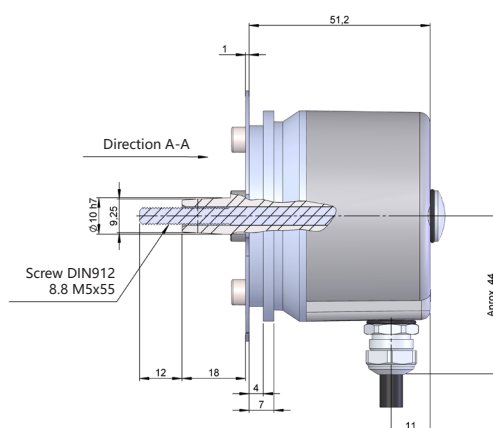
Flexible flange 90.1129



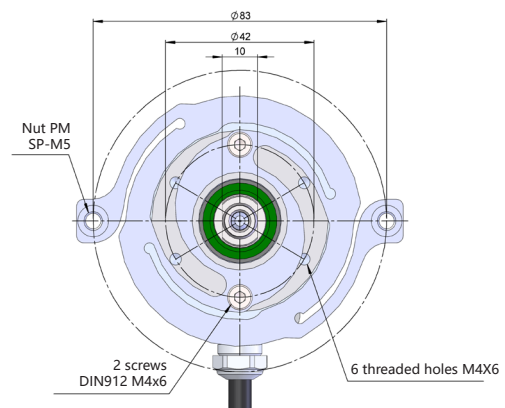
Drawing shaft type 1, anti-rotation system type 1



Flexible flange 90.1124



Drawing shaft type 2, anti-rotation system type 2



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INCREMENTAL ENCODER FOR INDUSTRIAL APPLICATIONS

REFERENCE							Reference example: 67-11317-1024
Serie	Thread shaft	Anti-rotation system	Output signals	Connection	Power Supply / Electronic output	Pulses number	Special customer
67 -	☐	☐	☐	☐	☐ -	☐ ☐ ☐ ☐ ☐	☐ ☐ ☐ ☐ ☐
	1. Solid shaft Ø 10 expandable 2. Conic 1:10	1. Flexible flange 90.1129 2. Flexible flange 90.1124 (*)	1. A 2. AB 3. AB, $\bar{Z}$ 5. AB, $\overline{AB}$ 6. ABZ, $\overline{ABZ}$ 9. ABZ	1. Radial cable (**)	6. 11...30 VDC / RS422 5 VDC (compatible TTL) 7. 5..30 VDC / Line driver differential Push-Pull 5..30 VDC		

Order your reference
Step file 3D

info@encoderhohner.com
service available in 24 h

(*) Anti-rotation system type 1 (Flexible flange 90.1129) and 2 (Flexible flange 90.1124) supplied assembled.

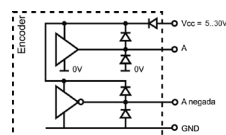
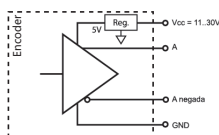
(**) Connection by terminal box, upon request.

MECHANICAL SPECIFICATIONS	
Materials	Cover: Zamac Housing: Aluminium Shaft: Stainless Steel
Bearings	Ballraces
Bearings lifetime	1x10 ¹⁰ rev.
Housing fixing	Flexible flange 90.1129 (assembled) Flexible flange 90.1124 (assembled)
Permitted misalignment	±0.4 mm axial, ±0.2 mm radial (90.1129) ±0.5 mm axial, ±0.1 mm radial (90.1124)
Maximum number of revolutions permitted mechanically	≤ 6000 rpm
Protection against dust and splashes according to DIN EN 60529	IP66
Rotor inertia moment	40 gcm ² (Shaft 1) 30 gcm ² (Shaft 2)
Starting torque at 20°C (68°F)	≤ 0.02 Nm
Maximum load permitted on axial shaft	30 N
Maximum load permitted on radial shaft	40 N
Weight aprox.	0.25 Kg
Operating temperature range	-20°C to +80°C
Vibration according to DIN EN 60068-2-6	100 m/s ² (10Hz...2000Hz)
Shock according to DIN EN 60068-2-27	1000 m/s ² (6ms)
Maximum pulses per turn	1024
Radial connection	2 meters cable (other cable lengths available on order)

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INCREMENTAL ENCODER FOR INDUSTRIAL APPLICATIONS

OUTPUT SIGNALS



OUTPUT CIRCUIT	RS422 (TTL compatible)	Push-Pull Differential
Reference code	6	7
Power supply	11...30 VDC	5...30 VDC
Output voltage	5 VDC	5...30 VDC
Consumption	Typical: 80 mA Max: 160 mA	Typical: 70 mA Max: 150 mA
Max. load capability / channel	±20 mA	±30 mA
Length of cable allowed	1200 m	100 m
“Low” signal level	VOL < 0.5 VDC	VOL < 2.5 VDC
“High” signal level	VOH > 2.5 VDC	VOH > VCC – 3 VDC
Frequency	300 kHz	300 kHz
Short circuit protection	Yes	Yes
Protection polarity inversion	Yes	Yes

Channel B leads (90° electric) channel A, view from the shaft, shaft rotating clockwise

CONNECTION



	Cable 3x2x0.14+2x0.34 95.0008003
GND	Black (BK)
+UB	Red (RD)
A	Yellow (YE)
$\bar{A}$	Brown (BN)
B	Green (GN)
$\bar{B}$	Blue (BU)
Z	Grey (GY)
$\bar{Z}$	Orange (OG)
Case	Shield