

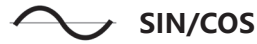
Image with flexible flange 90.1124



SERIE 67S

INCREMENTAL ENCODER FOR INDUSTRIAL APPLICATIONS

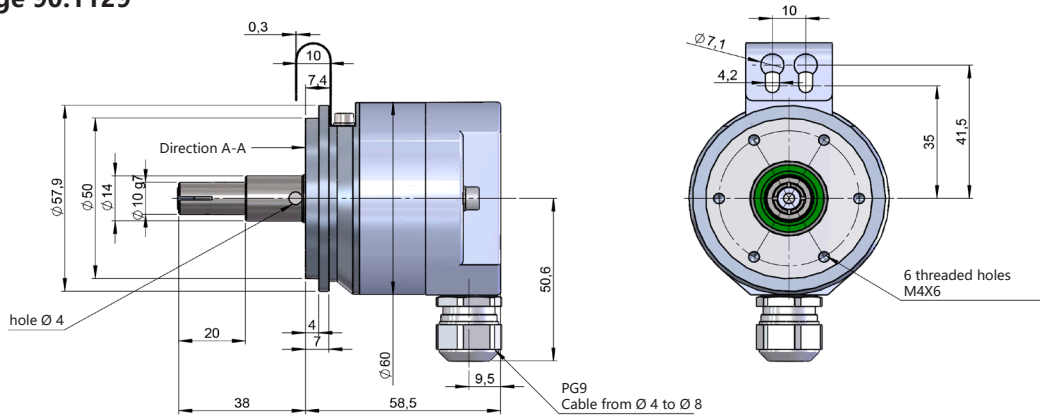
Equivalent for SEW ES7S / EK8S



- Incremental resolution 1024 SIN/COS 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) PG9 / Radial terminal box

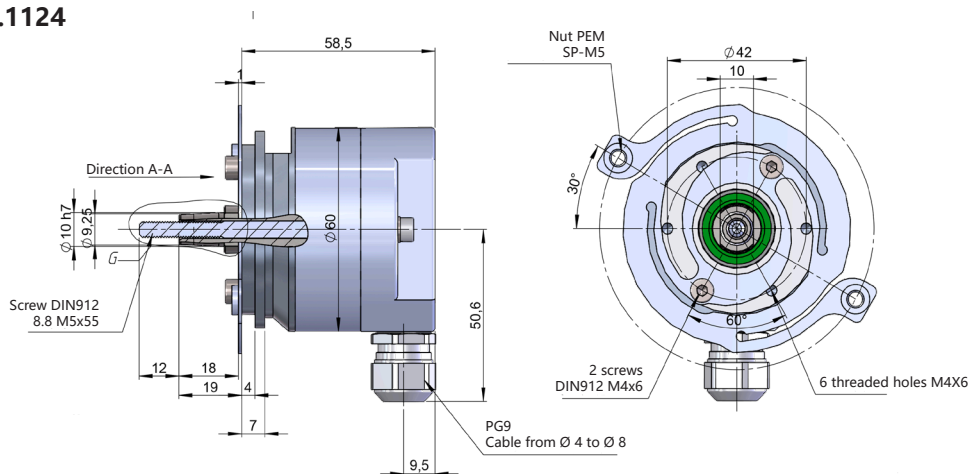


Flexible flange 90.1129



Drawing shaft type 1, anti-rotation system type 1, connection type 0

Flexible flange 90.1124



Drawing shaft type 2, anti-rotation system type 2, connection type 0



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INCREMENTAL ENCODER FOR INDUSTRIAL APPLICATIONS

SIN/COS

REFERENCE								Reference example: 67S-11109-1024			
Serie	Thread shaft	Anti-rotation system	Output signals	Connection	Power supply	Pulses number	Special customer				
67S -	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> -	1 0 2 4	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				
	1. Solid shaft Ø 10 expandable 2. Conic 1:10	1. Flexible flange 90.1129 2. Flexible flange 90.1124 (*)	1. SIN/COS 1 Vpp	0. Radial terminal box 1. Radial cable	7. 5 VDC 9. 7...30 VDC						

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service available in 24 h

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

TECHNICAL SPECIFICATIONS	
Materials	Cover: Aluminium 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.	0.365 Kg
Operating temperature range	-30°C to +100°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)
Consumption	≤ 90 mA
Power supply	5 VDC ±5% 7...30VDC
Electronic output	SIN/COS, 1 Vpp ±20%
Incremental resolution	1024 SIN/COS
Frequency	≤ 250 kHz
Signal offset	2.5 VDC
Radial connection	Radial terminal box

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INCREMENTAL ENCODER FOR INDUSTRIAL APPLICATIONS

SIN/COS

CONNECTION



	Cable 3x2x0.14+2x0.34 95.0008003	Radial terminal box
GND	Black (BK)	⊥
+UB	Red (RD)	+UB
A	Yellow (YE)	A
B	Green (GN)	B
\bar{A}	Brown (BN)	A-
\bar{B}	Blue (BU)	B-
Z	Grey (GY)	C
\bar{Z}	Orange (OG)	C-
Case	Shield	Case
Not connected	-	D
Not connected	-	D-

\bar{A} , A : Cosine signal

\bar{B} , B : Sine signal