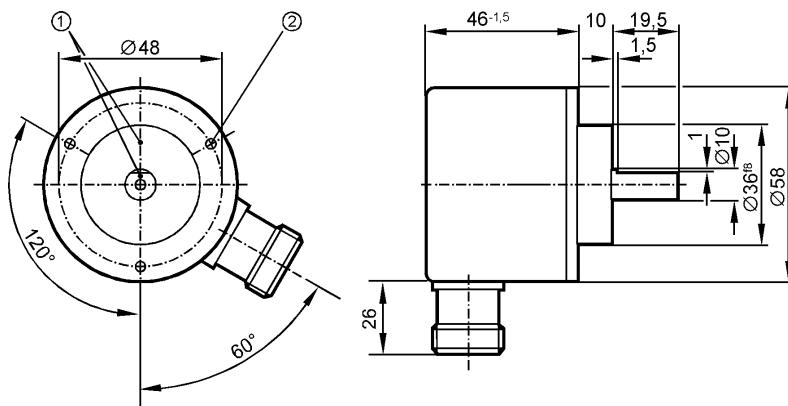


RV6140

RV-1024-I24/K

Alternative article: RVP510+E12460

When selecting an alternative article and accessories please note that technical data may differ!



1: reference mark

2: M3 5 mm deep

**Product characteristics**

Solid shaft encoder

HTL-output 50 mA, short-circuit protected, < 1 min

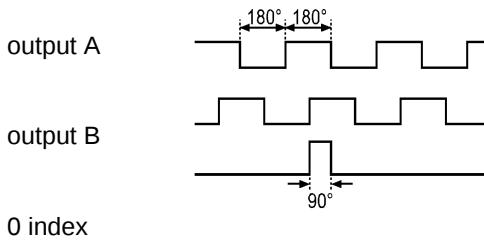
Quick disconnect

Resolution 1024

Electrical data

Operating voltage	[V]	10...30 DC
Current consumption	[mA]	150
Phase difference A und B	[°]	90
Switching frequency	[kHz]	160

Pulse diagram

**Outputs**

Output function HTL-output 50 mA, short-circuit protected, < 1 min

Measuring / setting range

Encoders

Resolution 1024

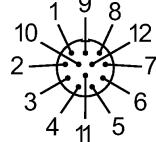
Mechanical data

Max. permissible rpm / mech. [1/min]	12000
Starting torque [Ncm]	< 1 (20 °C)
Max. shaft load (at the shaft end) [N]	axial 10; radial 20
Shaft, material [mm]	Ø 10, steel (1.4104)
Vibration resistance	15 g (55...2000 Hz)
Shock resistance	100 g (6 ms)
Housing materials	aluminum

RV6140

RV-1024-I24/K

Weight	[kg]	0.392
Environment		
Max. relative air humidity	[%]	max. 98
Ambient temperature	[°C]	-30...85
Storage temperature	[°C]	-30...100
Protection		IP 64
Tests / approvals		
MTTF	[Years]	190
Electrical connection		
Connection		M23 flange plug; radial; ifm 1001.4
Wiring		
1: B (inv.)	8: B	
2: L+ (sensor)	9: n.c.	
3: 0 index	10: 0V	
4: 0 index	11: 0V	
(inv.)	(sensor)	
5: A	12: L+	
6: A (inv.)		
7: error (inv.)		



Remarks		
Pack quantity	[piece]	1

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Alternative article: RVP510+E12460**When selecting an alternative article and accessories please note that technical data may differ!**