

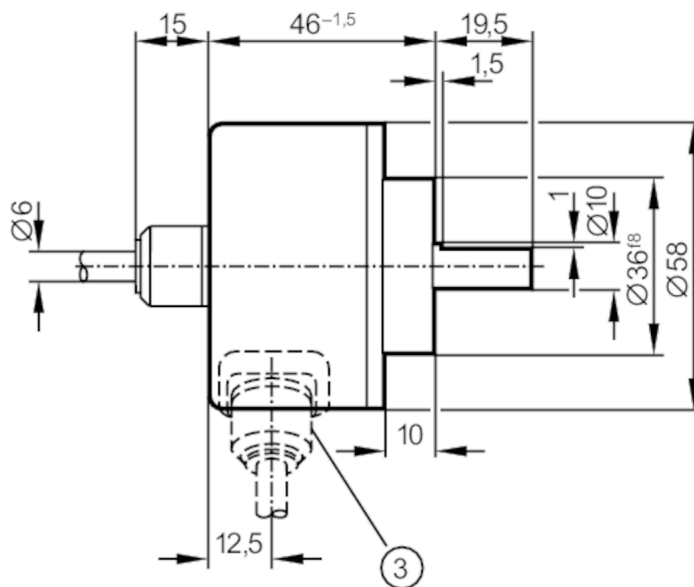
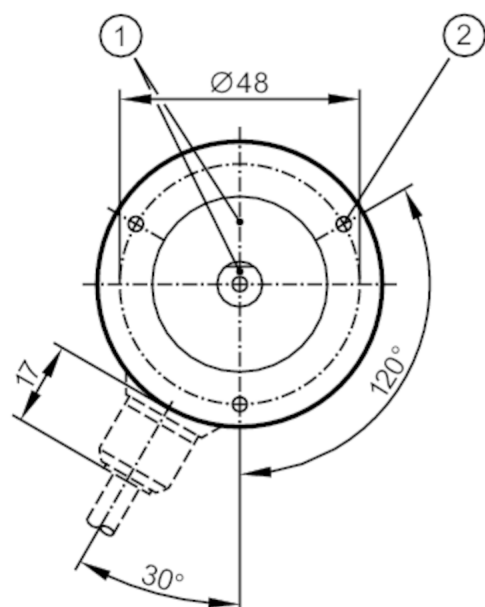
RV6145

Incremental encoder with solid shaft

RV-2000-I24/L6



Status Archive



- 1 reference mark
- 2 M3 Depth 5 mm



Application

Function principle incremental

Electrical data

Operating voltage [V] 10...30 DC
Current consumption [mA] 150

Outputs

Electrical design HTL
Max. current load per output [mA] 50
Switching frequency [kHz] 300
Type of short-circuit protection < 60 s
Phase difference A und B [°] 90

Measuring/setting range

Resolution 2000 resolution

Operating conditions

Ambient temperature [°C] -30...85
Note on ambient temperature for firmly laid cable
Storage temperature [°C] -30...100
Protection IP 64

Tests / approvals

Shock resistance 100 g (6 ms)
Vibration resistance 10 g (55...2000 Hz)

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Mechanical data		
Weight	[g]	733.8
Dimensions	[mm]	Ø 58 / L = 46
Materials		aluminium
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	1
Reference temperature torque	[°C]	20
Shaft design		solid shaft
Shaft diameter	[mm]	10
Shaft material		steel (1.4104)
Max. shaft load axial (at the shaft end)	[N]	10
Max. shaft load radial (at the shaft end)	[N]	20

Remarks	
Notes	discontinued article

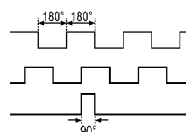
Electrical connection

Cable: 6 m, PUR; axial

brown	A
green	A inverted
grey	B
pink	B inverted
red	0 index
black	0 index inverted
blue	L+ sensor
white	0V sensor
brown/green	L+ (Up)
white/green	0V (Un)
lilac	failure inverted
screen	housing

Diagrams and graphs

Pulse diagram



Output A
Output B
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