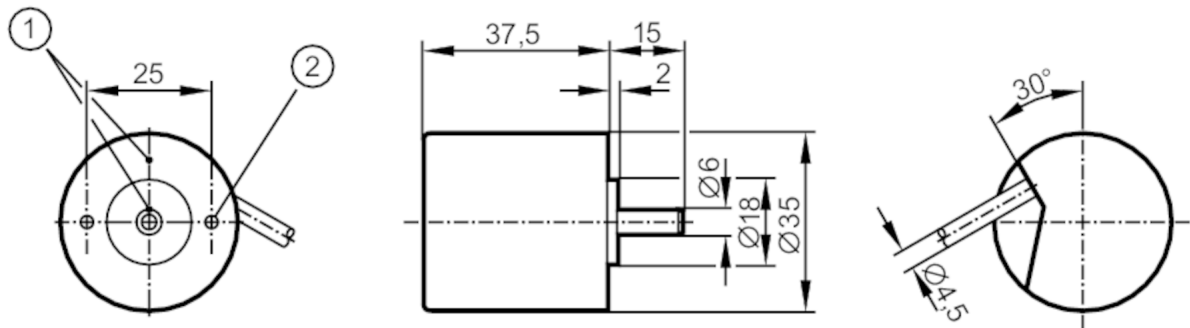


RB6012



Incremental encoder with solid shaft

RB-0250-I24/L2



- 1 reference mark
- 2 M3 Depth 5 mm



Application

Function principle	incremental
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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]	160
Type of short-circuit protection	< 60 s
Phase difference A und B [°]	90

Measuring/setting range

Resolution	250 resolution
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Operating conditions

Ambient temperature [°C]	-40...70
Note on ambient temperature	for firmly laid cable
Max. relative air humidity [%]	75; (briefly: 95 %)
Protection	IP 64

Tests / approvals

Shock resistance	100 g (6 ms)
Vibration resistance	10 g (55...2000 Hz)
MTTF [years]	190



Incremental encoder with solid shaft

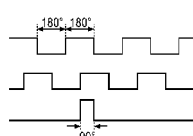
RB-0250-I24/L2

Mechanical data		
Weight	[g]	261.4
Dimensions	[mm]	Ø 35 / L = 52.5
Materials		aluminium
Max. revolution, mechanical	[U/min]	10000
Max. starting torque	[Nm]	1
Reference temperature torque	[°C]	20
Shaft design		solid shaft
Shaft diameter	[mm]	6
Shaft material		steel (1.4104)
Max. shaft load axial (at the shaft end)	[N]	5
Max. shaft load radial (at the shaft end)	[N]	10

Remarks	
Notes	discontinued article

Electrical connection	
Cable: 2 m, PUR; radial, can also be used axially	

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

Diagrams and graphs	
Pulse diagram	 Output A Output B 0 index