



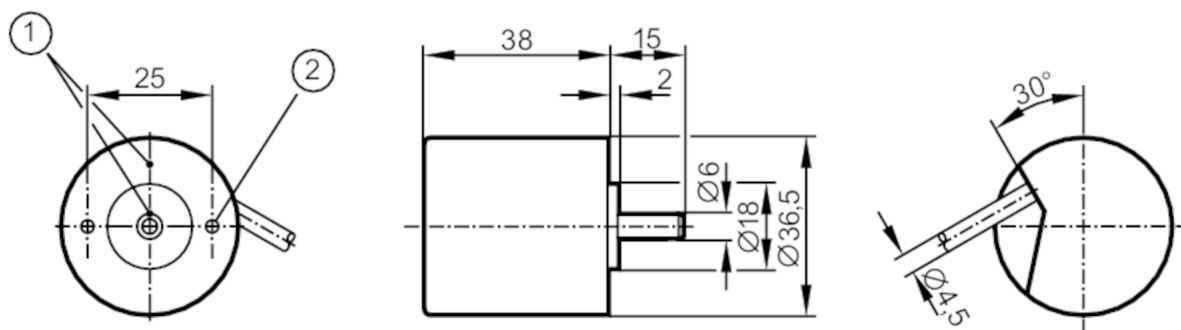
## Incremental encoder with solid shaft

RB-0030-I24/L6

Article no longer available - archive entry

Alternative articles: RB6004

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



- 1 reference mark  
2 M3 Depth 5 mm



### Product characteristics

Resolution	30 resolution
Shaft design	solid shaft
Shaft diameter [mm]	6

### 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 and B [°]	90

### Measuring/setting range

Resolution	30 resolution
------------	---------------

### Operating conditions

Ambient temperature [°C]	-20...70
Storage temperature [°C]	-30...100
Max. relative air humidity [%]	98
Protection	IP 64

### Tests / approvals

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

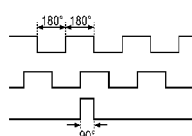


## Incremental encoder with solid shaft

RB-0030-I24/L6

Mechanical data		
Dimensions	[mm]	Ø 36.5 / L = 38
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

Electrical connection		
Cable: 6 m, PUR; radial, can also be used axially		
white/green	0V	
brown/green	L+	
brown	A	
green	0V A	
grey	B	
pink	0V B	
red	0 index	
black	0V 0 index	
lilac	failure inverted	
screen	housing	

Diagrams and graphs	
Pulse diagram	 <p>direction of rotation clockwise (looking at the shaft)</p>