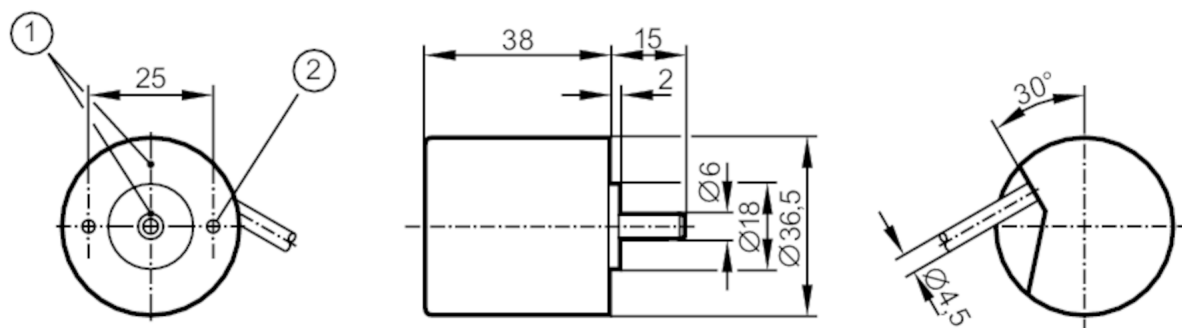


Incremental encoder with solid shaft

RB-0060-I24/S

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- 1 reference mark
2 M3 Depth 5 mm



Product characteristics

Resolution	60 resolution
Shaft design	solid shaft
Shaft diameter [mm]	6

Application

Special feature	Halogen-free
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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 and B [°]	90

Measuring/setting range

Resolution	60 resolution
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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)

RB6058



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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: 0.3 m, PUR, Halogen-free	

Connector: 1 x M23 (ifm 1001.6)	

1	0V B
2	n.c.
3	0 index
4	0V 0 index
5	A
6	0V A
7	failure inverted
8	B
9	n.c.
10	0V
11	n.c.
12	10...30V
Screen	housing

Diagrams and graphs	
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Pulse diagram	direction of rotation clockwise (looking at the shaft)
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