

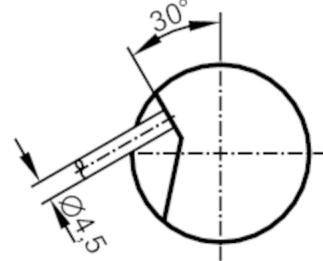
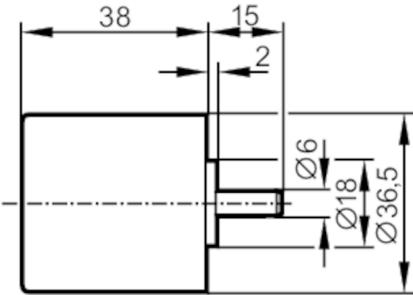
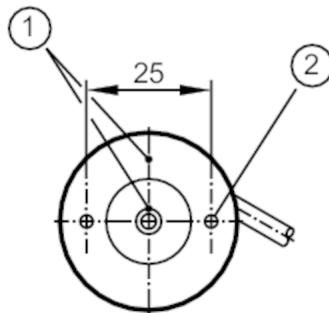
RB6058



Incremental encoder with solid shaft

RB-0060-I24/S

Article no longer available - archive entry



- 1 reference mark
2 M3 Depth 5 mm

CE

Product characteristics

Resolution 60 resolution

Shaft design solid shaft

Shaft diameter [mm] 6

Application

System Halogen-free

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 60 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)

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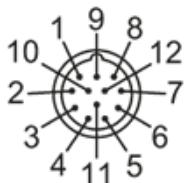
Mechanical data

Dimensions	[mm]	Ø 36.5 / L = 38
Material		aluminum
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

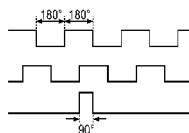
Connector: 1 x M23 (ifm 1001.6)



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

Diagrams and graphs

Pulse diagram



Direction of rotation clockwise (looking at the shaft)