

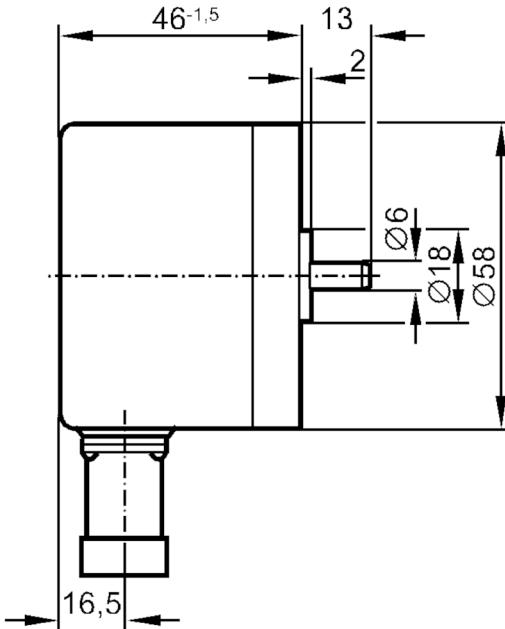
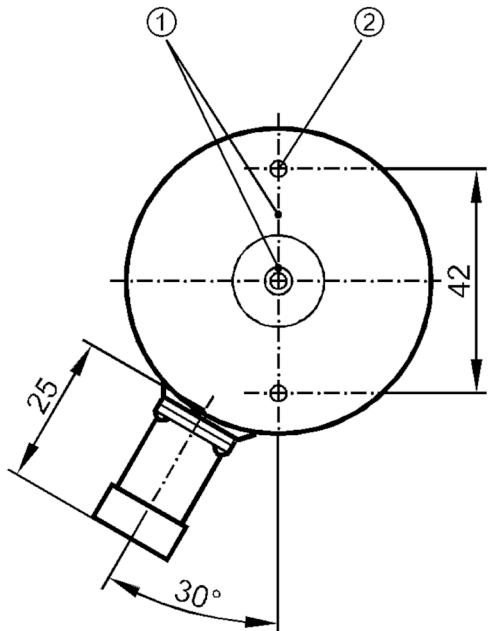
RC6046



Incremental encoder with solid shaft

RC-0050-I24/K

Article no longer available - archive entry



- 1 reference mark
2 M3 Depth 5 mm

CE

Product characteristics

Resolution		50 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
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Phase difference A and B [°]		90
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Measuring/setting range

Resolution		50 resolution
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Operating conditions

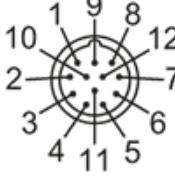
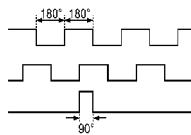
Ambient temperature [°C]		-20...85
Storage temperature [°C]		-30...100
Max. relative air humidity [%]		98
Protection		IP 64

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Tests / approvals	
Shock resistance	100 g (6 ms)
Vibration resistance	15 g (55...2000 Hz)
Mechanical data	
Materials	aluminium
Max. revolution, mechanical [U/min]	12000
Max. starting torque [Nm]	1
Reference temperature [°C] torque	20
Shaft design	solid shaft
Shaft diameter [mm]	6
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
Electrical connection	
Connector: 1 x M23 (ifm 1001.4), radial	
	
1	B inverted
2	n.c.
3	0 index
4	0 index inverted
5	A
6	A inverted
7	failure inverted
8	B
9	n.c.
10	0V
11	n.c.
12	L+
Diagrams and graphs	
Pulse diagram	 <p>direction of rotation clockwise (looking at the shaft)</p>