RB1006

Incremental encoder with solid shaft

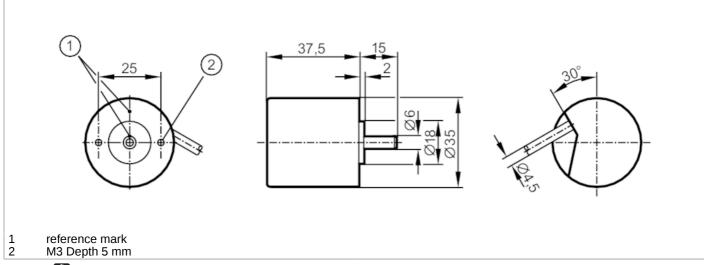
RB-0060-I05/L2



Article no longer available - archive entry

Alternative articles: RB3500

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





Product characteristics		
Resolution		60 resolution
Shaft design		solid shaft
Shaft diameter	[mm]	6
Application		
Function principle		incremental
Electrical data		
Operating voltage tolerance	[%]	10
Operating voltage	[V]	5 DC
Current consumption	[mA]	120
Outputs		
Electrical design		TTL
Max. current load per output	[mA]	20
Switching frequency	[kHz]	300
Phase difference A and B	[°]	90
Measuring/setting range		
Resolution		60 resolution
Operating conditions		
Ambient temperature	[°C]	-30100
Max. relative air humidity	[%]	75; (briefly: 95 %)
Protection		IP 64
Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (552000 Hz)

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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

Electrical connection

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

brown A

green A inverted

grey B

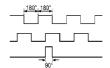
pink B inverted red 0 index

black 0 index inverted

brown/green L+ (Up)
white/green L- 0V (Un)
blue L+ sensor
white L- 0 V sensor
lilac failure inverted
screen housing

Diagrams and graphs

Pulse diagram



direction of rotation clockwise (looking at the shaft)