## **RB1014**

### Incremental encoder with solid shaft





# Article no longer available - archive entry 38 1 reference mark 2 M3 Depth 5 mm

# $\epsilon$

Product characteristics		
Resolution		400 resolution
Shaft design		solid shaft
Shaft diameter	[mm]	6
Electrical data		
Operating voltage tolerance	[%]	10
Operating voltage	[V]	5 DC
Current consumption	[mA]	150
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		400 resolution
Operating conditions		
Ambient temperature	[°C]	-20100
Storage temperature	[°C]	-30100
Max. relative air humidity	[%]	98
Protection		IP 64
Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (552000 Hz)
Mechanical data		
Dimensions	[mm]	Ø 36.5 / L = 38
Materials		aluminium

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RB-0400-I05/L2

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

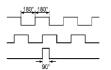
brown A green A inverted grey B

pink B inverted red 0 index

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

### Diagrams and graphs

Pulse diagram



direction of rotation clockwise (looking at the shaft)