

RM7004



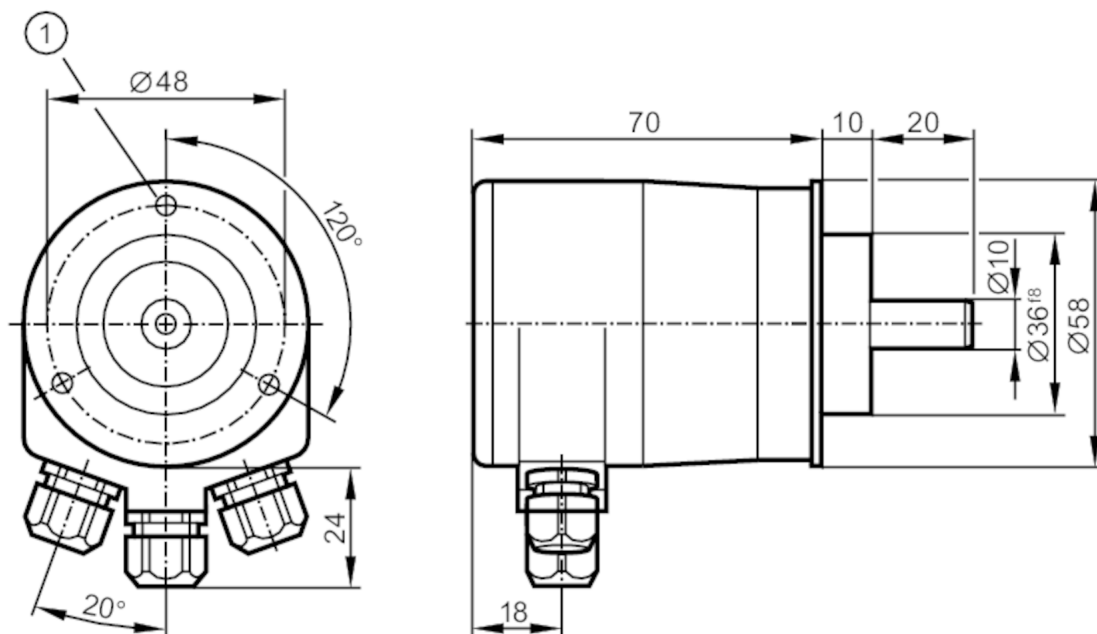
Absolute multiturn encoder with solid shaft

RMK0025-C24/E

Article no longer available - archive entry

Alternative articles: RM7012

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



1 M4 Depth 5 mm



Product characteristics

Resolution	8192 steps; 4096 revolutions; 25 bit
Communication interface	CAN
Shaft design	solid shaft
Shaft diameter [mm]	10

Application

Function principle	absolute
Revolution type	multiturn

Electrical data

Operating voltage [V]	9...36 DC
Current consumption [mA]	< 250
Reverse polarity protection	yes

Outputs

Short-circuit protection	yes
Code	binary

Measuring/setting range

Resolution	8192 steps; 4096 revolutions; 25 bit
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Accuracy / deviations

Accuracy	± 1 LSB
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Software / programming		
Parameter setting options		CAN parameter; scaling; preset; Baud rate; direction of rotation; address address selector switch; Software
Addressing		
Interfaces		
Communication interface		CAN
CAN		
Protocol		CANopen; DSP - 406
Operating conditions		
Ambient temperature		[°C] -40...70
Protection		IP 66; (on the housing: IP 67; on the shaft: IP 67)
Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (55...2000 Hz)
Mechanical data		
Weight		[g] 612
Dimensions		[mm] Ø 58 / L = 100
Materials		aluminium
Max. revolution, mechanical		[U/min] 6000
Max. starting torque		[Nm] 1
Reference temperature torque		[°C] 20
Shaft design		solid shaft
Shaft diameter		[mm] 10
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
Fixing flange		clamping flange
Electrical connection		
terminal strip in the terminal chamber: ; Maximum cable length: 25 m; 100 m (500 kb/s)		