# 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!
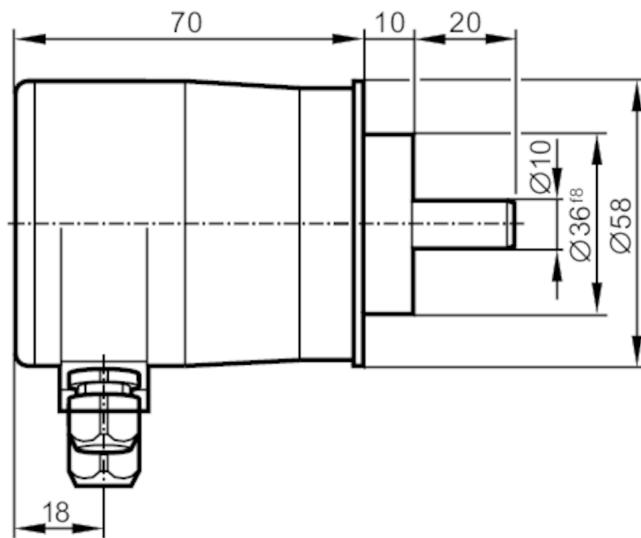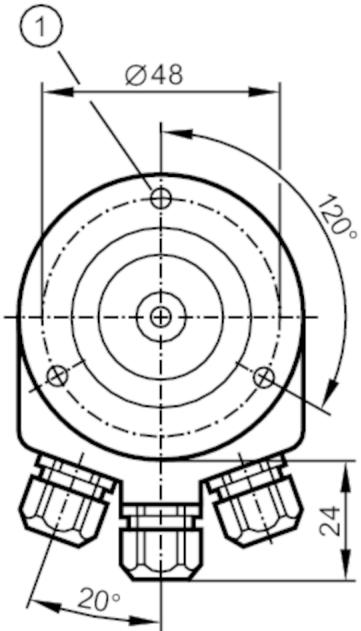
1   M4 Depth 5 mm

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
Accuracy / deviations	
Accuracy	± 1 LSB

RM7004

Absolute multiturn encoder with solid shaft

RMK0025-C24/E

Software / programming		
Parameter setting options		CAN parameter; scaling; preset; Baud rate; Direction of rotation; Address
Addressing		address selector switch; Software
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
Material		aluminum
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)