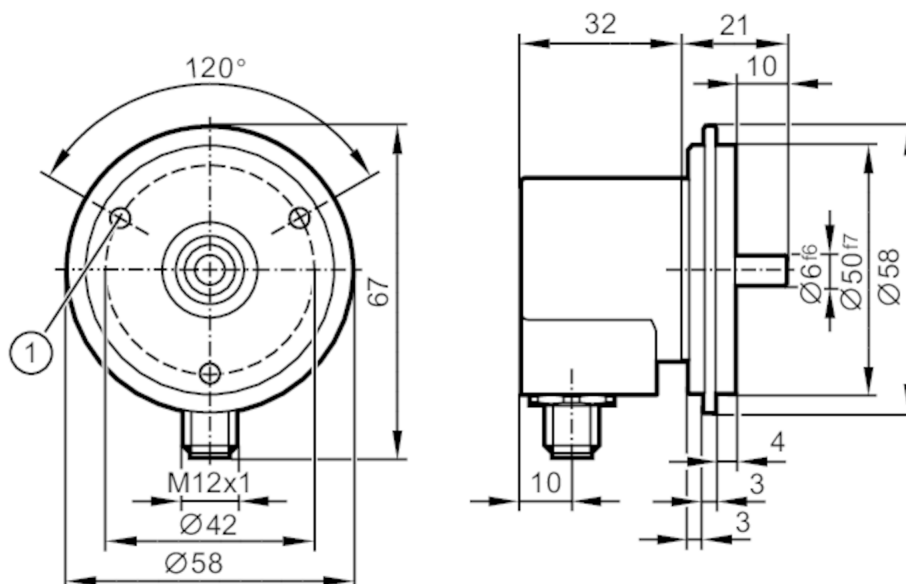


RM9007



Absolute multiturn encoder with solid shaft

RMS0024-C24/US6



Product characteristics

Resolution	4096 steps; 4096 revolutions; 24 bit
Communication interface	CAN
Shaft design	solid shaft
Shaft diameter [mm]	6

Application

Function principle	absolute
Revolution type	multiturn

Electrical data

Operating voltage [V]	9...30 DC
Current consumption [mA]	< 100; ((10 V DC) ; ≤ 50 (24 V DC))
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	CANopen interface
Short-circuit protection	yes
Code	binary

Measuring/setting range

Resolution	4096 steps; 4096 revolutions; 24 bit
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Accuracy / deviations

Accuracy [°]	0.08
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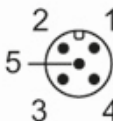
Software / programming

Parameter setting options	CAN parameter; scaling; preset; Baud rate; direction of rotation; Node ID
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Absolute multiturn encoder with solid shaft

RMS0024-C24/US6

Interfaces		
Communication interface		CAN
Number of CAN interfaces		1
CAN		
Protocol		CANopen
Factory settings		Baud rate: 125 kBit/s node ID: 32
Version		DSP - 406 V3.1; DS 301 V4.02; DS 306 V2.0
Terminating resistor		yes
Operating conditions		
Ambient temperature	[°C]	-40...85
Protection		IP 65
Tests / approvals		
Shock resistance	EN 60068-2-27	100 g / 6 ms
Vibration resistance	EN 60068-2-6	10 g / 10...1000 Hz
MTTF	[years]	240
Mechanical data		
Weight	[g]	282.75
Dimensions	[mm]	Ø 58 / L = 39
Materials		flange: aluminium; housing cap: steel
Max. revolution, mechanical [U/min]		12000
Max. starting torque [Nm]		3
Reference temperature torque [°C]		20
Shaft design		solid shaft
Shaft diameter [mm]		6
Shaft material		stainless steel (303/1.4305)
Max. shaft load axial (at the shaft end) [N]		40
Max. shaft load radial (at the shaft end) [N]		110
Fixing flange		synchro-flange
Electrical connection		
Connector: 1 x M12, axial; coding: A		
		
1	CAN_GND	
2	VBBc	
3	GND (PE)	
4	CAN_High	
5	CAN_Low	