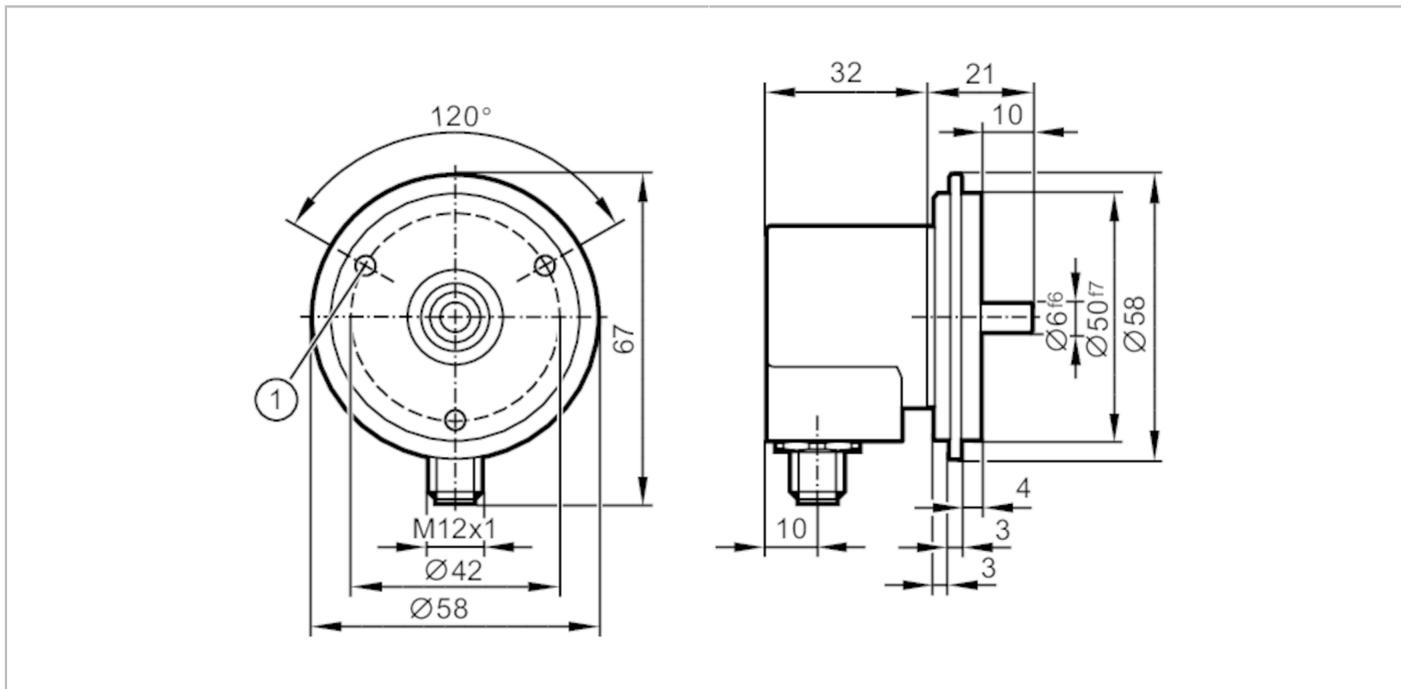


# RM9007



## 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
Accuracy / deviations	
Accuracy [°]	0.08
Software / programming	
Parameter setting options	CAN parameter; scaling; preset; Baud rate; Direction of rotation; node ID

# RM9007



## 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
Housing		tubular
Dimensions	[mm]	Ø 58 / L = 39
Material		flange: aluminum; housing cap: steel
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	0.03
Reference temperature torque	[°C]	20
Shaft design		solid shaft
Shaft diameter	[mm]	6
Shaft material		stainless steel (1.4305 / 303)
Max. shaft load axial (at the shaft end)	[N]	40
Max. shaft load radial (at the shaft end)	[N]	110
Fixing flange		Synchro-flange
Remarks		
Pack quantity		1 pcs.

# RM9007

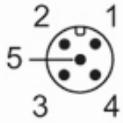


## Absolute multiturn encoder with solid shaft

RMS0024-C24/US6

### Electrical connection

Connector: 1 x M12, axial; coding: A



1	CAN_GND
2	VBBc
3	GND (PE)
4	CAN_High
5	CAN_Low