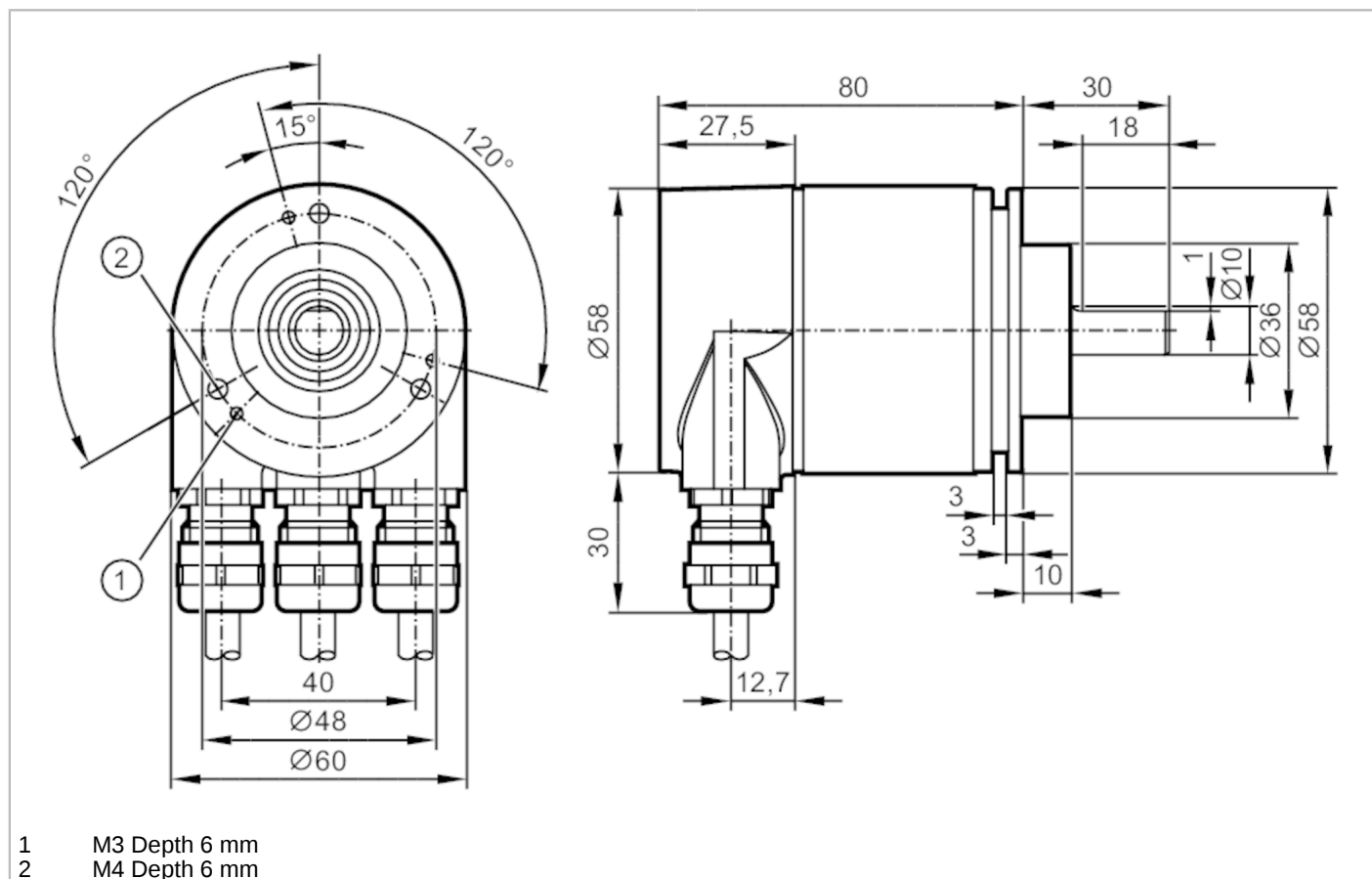


RM7012



Absolute multiturn encoder with solid shaft

RMK0025-C24/E



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]	10...30 DC
Current consumption [mA]	230; ((10 V DC); 100 (24 V DC))
Reverse polarity protection	yes

Outputs

Code	binary
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Measuring/setting range

Resolution	8192 steps; 4096 revolutions; 25 bit
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Software / programming

Parameter setting options	CAN parameter; scaling; preset; Baud rate; direction of rotation; Node ID
Addressing	address selector switch; 0...126



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Interfaces		
Communication interface	CAN	
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	
Operating conditions		
Ambient temperature	[°C]	-40...85
Max. relative air humidity	[%]	98
Protection	IP 65; (on the housing: IP 65; on the shaft: IP 64)	
Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (10...1000 Hz)
MTTF	[years]	13
Mechanical data		
Weight	[g]	592.5
Dimensions	[mm]	Ø 58 / L = 110
Materials	aluminium	
Max. revolution, mechanical	[U/min]	6000
Shaft design	solid shaft	
Shaft diameter	[mm]	10
Shaft material	steel (1.4104)	
Max. shaft load axial (at the shaft end)	[N]	40
Max. shaft load radial (at the shaft end)	[N]	110
Fixing flange	clamping flange	
Displays / operating elements		
Display	Preoperational Mode	LED, green flashing
	Operational Mode	LED, green
	error message	LED, red flashing
Electrical connection		
terminal strip in the terminal chamber:		