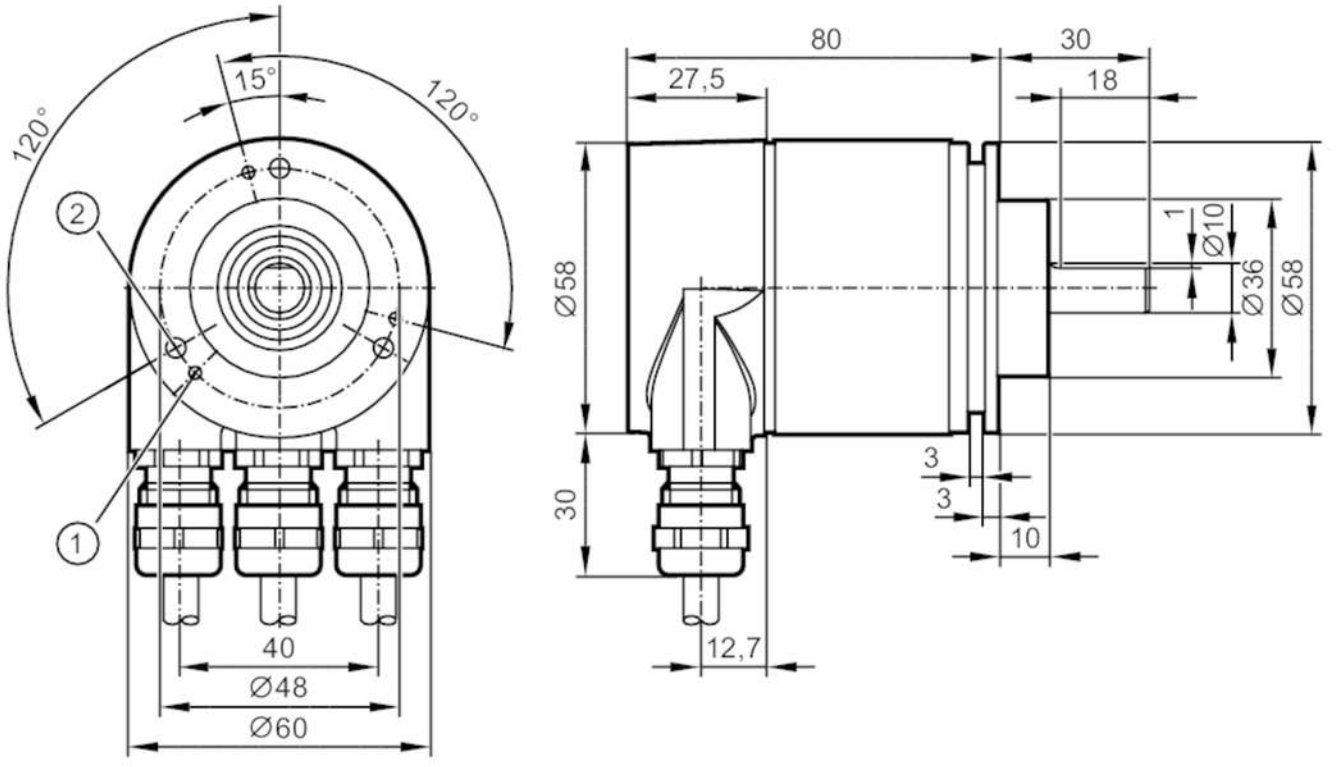
RM7013

Absolute multiturn encoder with solid shaft

RMK0025-H24/E



1 M3 Depth 6 mm
2 M4 Depth 6 mm

Product characteristics		
Resolution		8192 steps; 4096 revolutions; 25 bit
Communication interface		DeviceNet
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		
Short-circuit protection		yes
Code		binary
Measuring/setting range		
Resolution		8192 steps; 4096 revolutions; 25 bit

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Software / programming		
Parameter setting options		resolution per revolution; total resolution; direction of rotation; preset value; Type of operation; MAC ID; Baud rate
Addressing		address selector switch; 0...99; terminating resistor
Interfaces		
Communication interface		DeviceNet
DeviceNet		
Protocol		CIP (Common Industrial Protocol)
Operating conditions		
Ambient temperature	[°C]	-40...85
Max. relative air humidity	[%]	98
Protection		IP 67
Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (10...1000 Hz)
MTTF	[years]	13
Mechanical data		
Weight	[g]	592
Dimensions	[mm]	Ø 58 / L = 110
Materials		housing cap: aluminium; housing: steel
Max. revolution, mechanical	[U/min]	12000
Shaft design		solid shaft
Shaft diameter	[mm]	10
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		clamping flange
Electrical connection		
terminal strip in the terminal chamber:		