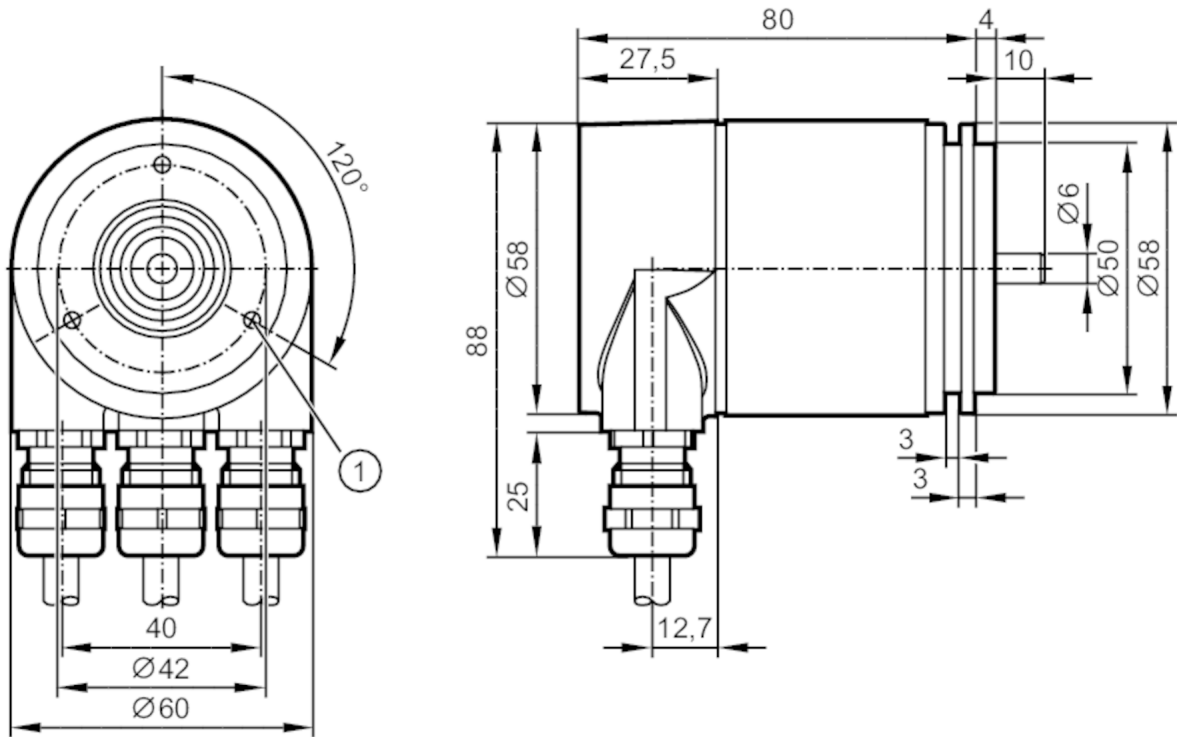


RM3006



Absolute multiturn encoder with solid shaft

RMS0025-E24/E



1 M4 Depth 6 mm



Product characteristics

Resolution	8192 steps; 4096 revolutions; 25 bit
Communication interface	PROFIBUS DP
Shaft design	solid shaft
Shaft diameter [mm]	6

Application

Function principle	absolute
Revolution type	multiturn

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	100; ((24 V))
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	counting direction of the code values; Resolution; zero point; limit switches HI and LO; motion indicator; separation multiturn/singleturn
Diagnostic functions	alarms; warnings; status; serial number of the encoder



Absolute multiturn encoder with solid shaft

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Addressing		address selector switch; 0...126	
Interfaces			
Communication interface		PROFIBUS DP	
PROFIBUS DP			
Transmission standard		DPV2	
Operating conditions			
Ambient temperature	[°C]	-40...85	
Max. relative air humidity	[%]	98	
Protection		IP 67; (on the housing: IP 67; on the shaft: IP 67)	
Tests / approvals			
Shock resistance		100 g (6 ms)	
Vibration resistance		10 g (10...2000 Hz)	
MTTF	[years]	13.5	
Mechanical data			
Weight	[g]	611	
Dimensions	[mm]	Ø 58 / L = 94	
Materials		aluminium	
Max. revolution, mechanical [U/min]		12000	
Shaft design		solid shaft	
Shaft diameter	[mm]	6	
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		synchro-flange	
Electrical connection			
terminal strip in the terminal chamber:			