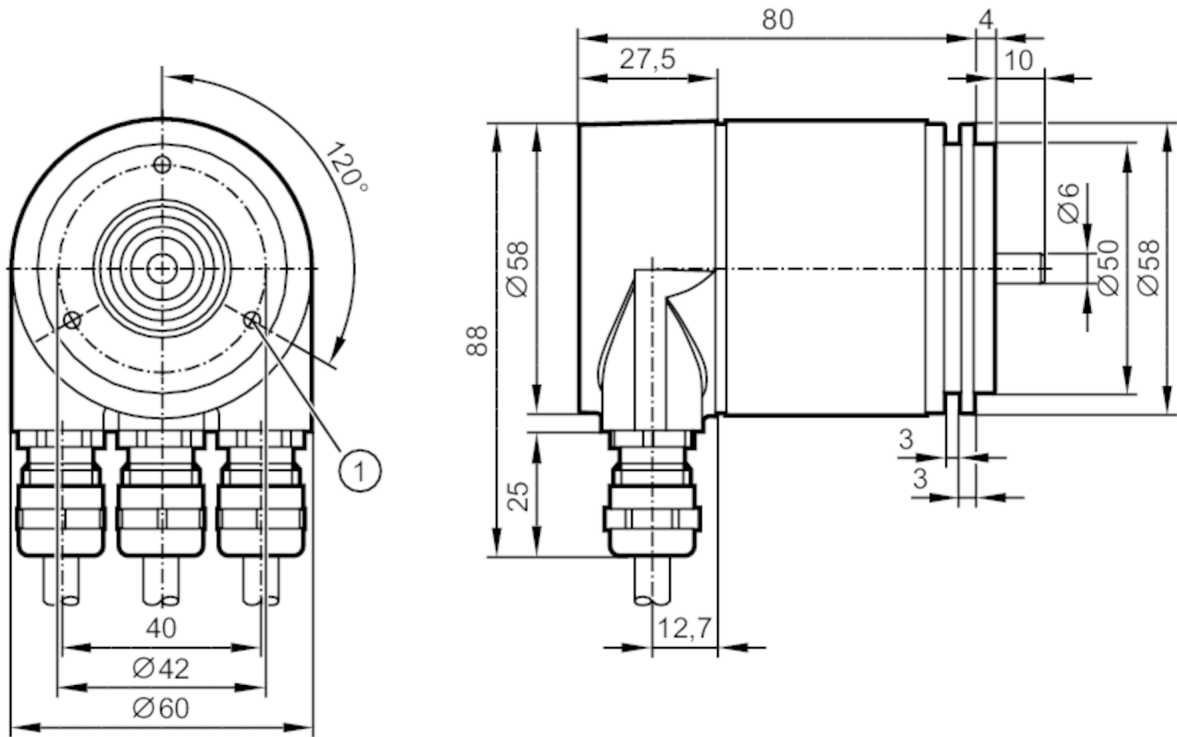


RM3006



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:			