RM6111

Absolute multiturn encoder with solid shaft

RM-8192-E05/R8B

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Alternative articles: RM1104

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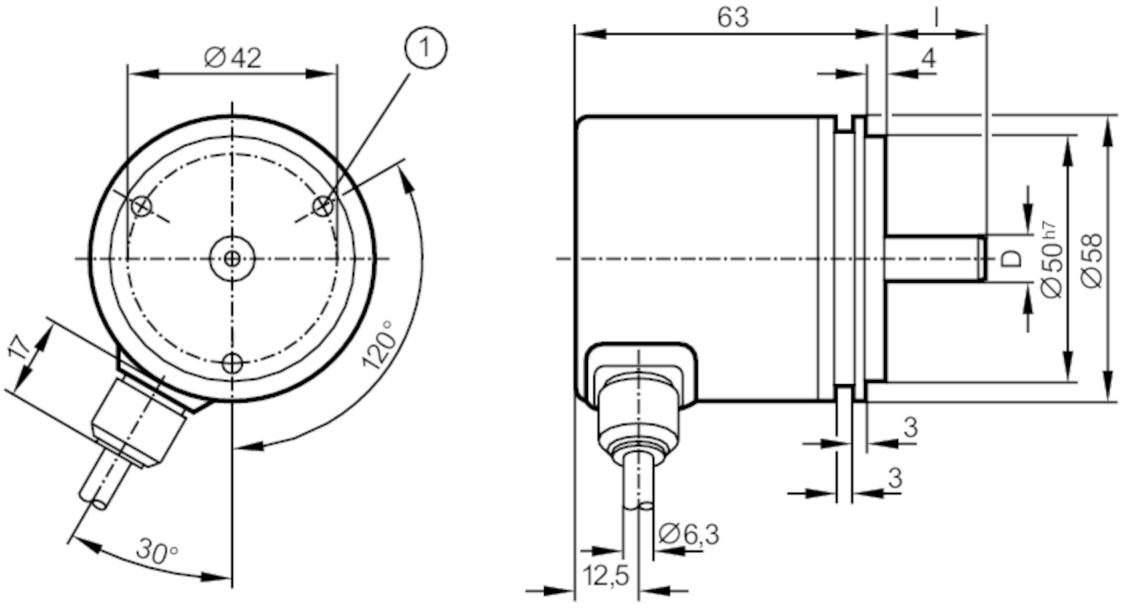

D	l
6 mm	10 mm
10 mm	20 mm

1 M4 Depth 6 mm

Product characteristics		
Resolution		8192 steps; 4096 revolutions; 25 bit
Communication interface		fieldbus via gateway
Shaft design		solid shaft
Shaft diameter	[mm]	10
Electrical data		
Operating voltage tolerance	[%]	10
Operating voltage	[V]	5 DC; (from the gateway)
Current consumption	[mA]	< 200
Max. revolution electrical	[U/min]	6000
Outputs		
Code		Dual code
Code signal		data input; TTL-compatible signals; clock and clock (inv.) from drivers to RS 485; data output; synchronous serial; TTL-compatible signals, data,

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		and data (inv.); incremental signals; 2 sinusoidal incremental signals (A and B) ; phase shifted by 90°; 1 Vss 512 signal periods per revolution
Measuring/setting range		
Resolution		8192 steps; 4096 revolutions; 25 bit
Interfaces		
Communication interface		fieldbus via gateway
Operating conditions		
Ambient temperature	[°C]	-20...85
Storage temperature	[°C]	-30...100
Protection		IP 64
Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (55...2000 Hz)
Mechanical data		
Dimensions	[mm]	Ø 58 / L = 63
Materials		aluminium
Max. revolution, mechanical	[U/min]	10000
Max. starting torque	[Nm]	1
Reference temperature torque	[°C]	20
Shaft design		solid shaft
Shaft diameter	[mm]	10
Shaft material		steel (1.4104)
Max. shaft load axial (at the shaft end)	[N]	10
Max. shaft load radial (at the shaft end)	[N]	20

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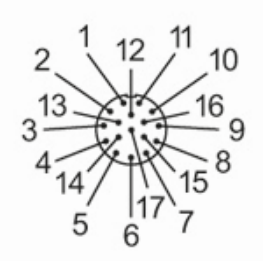
Electrical connection

Cable: 8 m, PUR; Maximum cable length: 100 m; radial

Connector: 1 x M23; Maximum cable length: 100 m



1	+5V sensor
2	n.c.
3	n.c.
4	0V sensor
5	n.c.
6	n.c.
7	+5V Up
8	clock
9	clock inverted
10	0V Un
11	screen
12	B (+)
13	B (-)
14	data
15	A (+)
16	A (-)
17	data inverted