

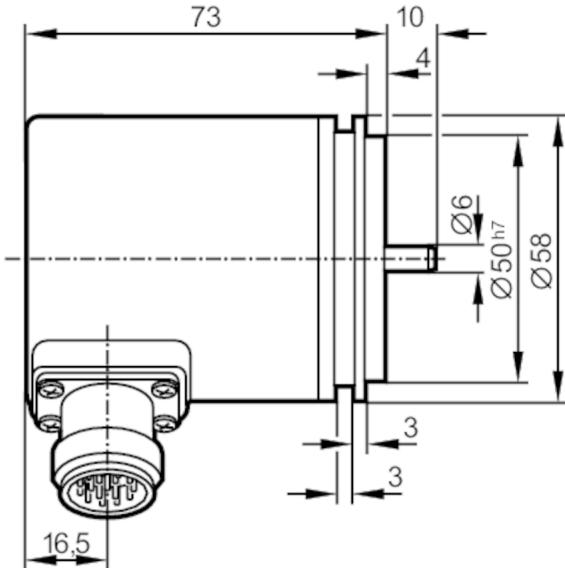
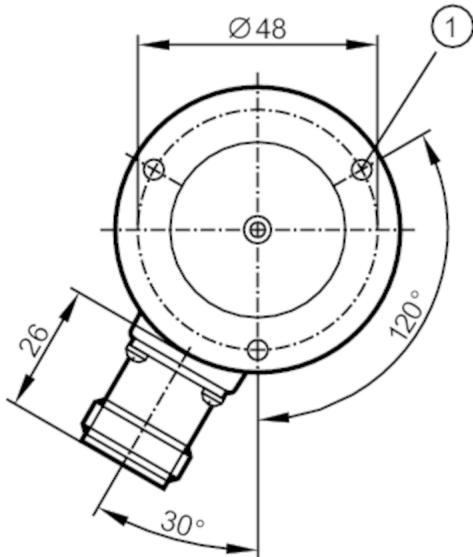
Absolute multiturn encoder with solid shaft

RM-8192-P24/K A

Article no longer available - archive entry

Alternative articles: RM6101

When selecting an alternative article and accessories please note that technical data may differ!



1 M4 Depth 5 mm



Product characteristics

Resolution	parameterisable resolution; 8192 steps; 4096 revolutions; 25 bit	
Communication interface	SSI data interface	
Shaft design	solid shaft	
Shaft diameter [mm]	6	

Electrical data

Operating voltage [V]	10..30 DC	
Current consumption [mA]	< 300	
Max. revolution electrical [U/min]	6000	

Outputs

Code	Dual code or Gray code; (parameterisable; time constant for position calculation: 0,5 ms)	
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Measuring/setting range

Resolution	parameterisable resolution; 8192 steps; 4096 revolutions; 25 bit	
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Interfaces

Communication interface	SSI data interface	
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Operating conditions

Ambient temperature [°C]	-20...70	
Storage temperature [°C]	-30...80	
Protection	IP 64	

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Tests / approvals	
Shock resistance	100 g (6 ms)
Vibration resistance	10 g (55...2000 Hz)
Mechanical data	
Dimensions [mm]	Ø 58 / L = 73
Materials	aluminium
Max. revolution, mechanical [U/min]	12000
Max. starting torque [Nm]	1
Reference temperature torque [°C]	20
Shaft design	solid shaft
Shaft diameter [mm]	6
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
Remarks	
Remarks	For programming, a PC with Windows 3.1™ or higher as well as the programming software are needed.
Electrical connection	
Connector: 1 x M23 (ifm 1001.11), radial; Maximum cable length: 100 m	
 1 TxD 2 direction of rotation (10...30V) 3 failure inverted 4 RxD 5 preset 1 (10...30V / 1ms) 6 preset 2 (10...30V / 1ms) 7 10...30V Up 8 clock 9 clock inverted 10 0V Un 11 screen 12 B (+) 13 B (-) 14 data 15 A (+) 16 A (-) 17 data inverted	

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Absolute multturn encoder with solid shaft

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Diagrams and graphs

Pulse diagram

clock
data

