

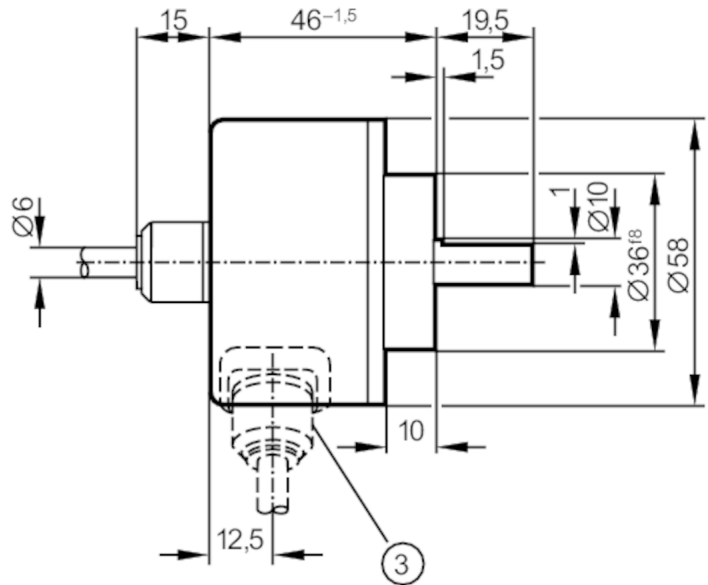
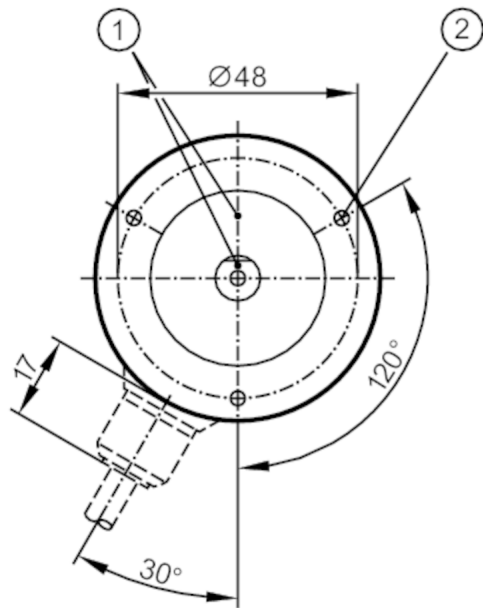
RV1071



Incremental encoder with solid shaft

RV-1024-I05/SAE

Article no longer available - archive entry



- 1 reference mark
- 2 M3 Depth 5 mm



Product characteristics

Resolution	1024 resolution
Shaft design	solid shaft
Shaft diameter [mm]	10

Electrical data

Operating voltage tolerance [%]	10
Operating voltage [V]	5 DC
Current consumption [mA]	150

Outputs

Electrical design	TTL
Max. current load per output [mA]	20
Switching frequency [kHz]	300
Phase difference A und B [°]	90

Measuring/setting range

Resolution	1024 resolution
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Operating conditions

Ambient temperature [°C]	-20...70
Storage temperature [°C]	-30...100
Protection	IP 66

Tests / approvals

Shock resistance	100 g (6 ms)
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Vibration resistance	10 g (55...2000 Hz)
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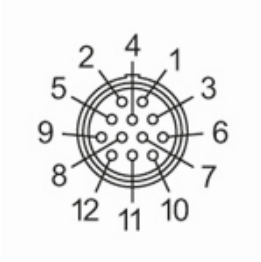
Mechanical data

Dimensions	[mm]	Ø 58 / L = 46
Material		aluminum
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	1
Reference temperature	[°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

Electrical connection

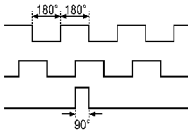
Cable: 10 m, PUR; axial

Connector: 1 x Bajonett (ifm 1000.2)



Pin 1	A
Pin 2	A inverted
Pin 3	B
Pin 4	B inverted
Pin 5	+5V sensor
Pin 6	0 index
Pin 7	0 index inverted
Pin 9	+5V (Up)
Pin 10	0V sensor
Pin 11	housing
Pin 12	0V (Un)

Diagrams and graphs

Pulse diagram	 Direction of rotation clockwise (looking at the shaft)
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