

RU1152

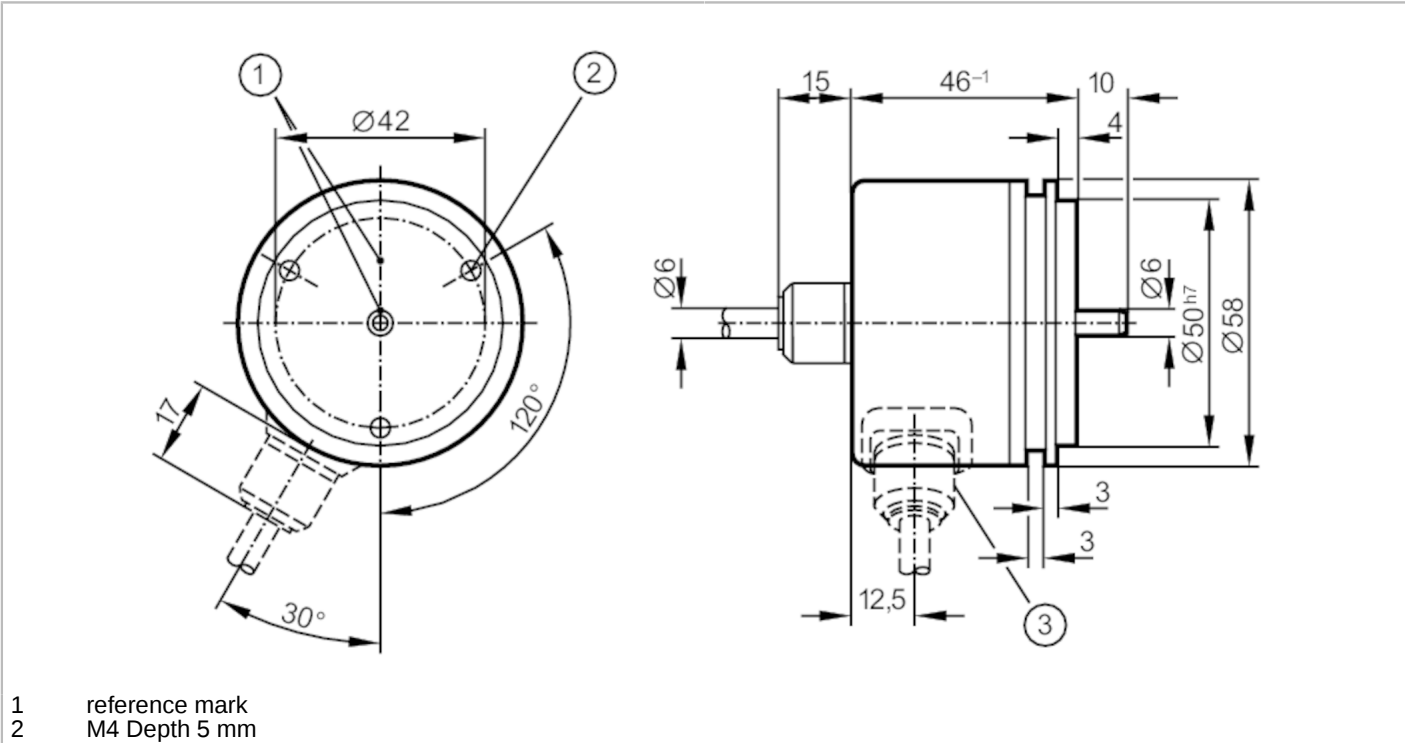


Incremental encoder with solid shaft

RU10000-I05/L2

Article no longer available - archive entry

Alternative articles: RU1052
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics	
Resolution	10000 resolution
Shaft design	solid shaft
Shaft diameter [mm]	6
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	10000 resolution
Operating conditions	
Ambient temperature [°C]	-20...100
Storage temperature [°C]	-30...100
Max. relative air humidity [%]	98

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Protection	IP 64
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Tests / approvals

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

Mechanical data

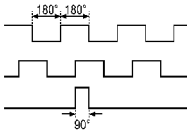
Dimensions	[mm]	Ø 58 / L = 46
Material		aluminum
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	1
Reference temperature	[°C]	20
Shaft design		solid shaft
Shaft diameter	[mm]	6
Shaft material		steel (1.4104)
Max. shaft load axial (at the shaft end)	[N]	10
Max. shaft load radial (at the shaft end)	[N]	20
Fixing flange		Synchro-flange

Electrical connection

Cable: 2 m, PUR; axial

brown	A
green	A inverted
grey	B
pink	B inverted
red	0 index
black	0 index inverted
blue	L+ sensor
white	0V sensor
brown/green	L+ (Up)
white/green	0V (Un)
lilac	error inverted
screen	housing

Diagrams and graphs

Pulse diagram	 <p>Direction of rotation clockwise (looking at the shaft)</p>
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