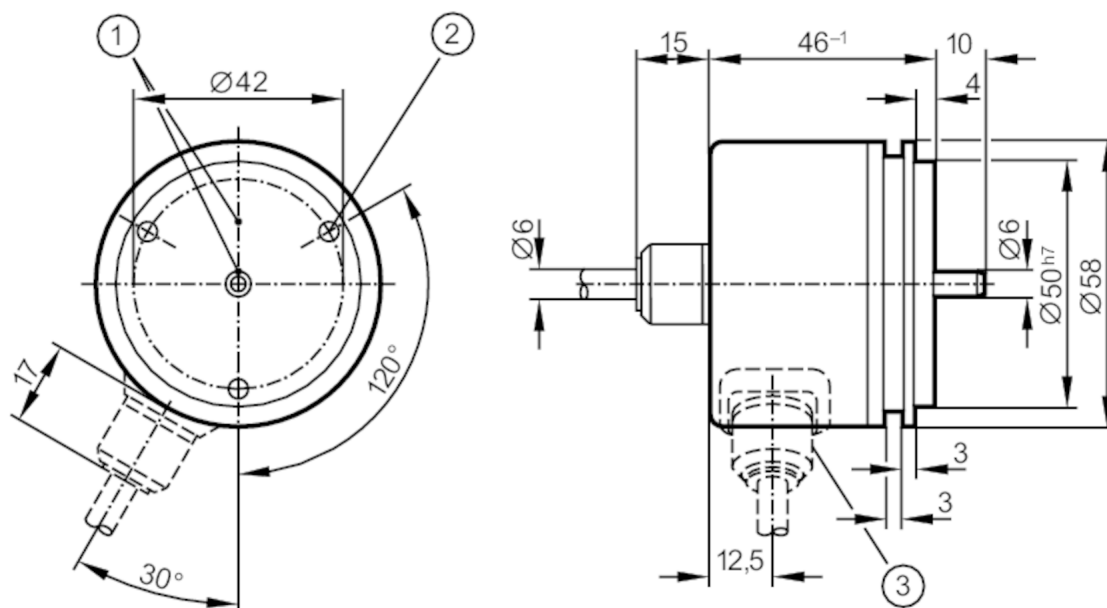




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- 1 reference mark
- 2 M4 Depth 5 mm



Application

Function principle	incremental
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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	2500 resolution
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Operating conditions

Ambient temperature	[°C]	-30...100
Note on ambient temperature	for firmly laid cable: -30 °C	
Storage temperature	[°C]	-30...100
Max. relative air humidity	[%]	98
Protection	IP 64	



Incremental encoder with solid shaft

RU-2500-I05/S2

Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (55...2000 Hz)
Mechanical data		
Weight	[g]	545.6
Dimensions	[mm]	Ø 58 / L = 46
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
Fixing flange		synchro-flange
Remarks		
Notes		discontinued article
Electrical connection		
Cable: 2 m, PUR; axial		
pin 1 A pin 2 A inverted pin 3 B pin 4 B inverted pin 5 L+ sensor pin 6 0 index pin 7 0 index inverted pin 9 L+ (Up) pin 10 0V sensor pin 11 housing pin 12 0V (Un)		
Connector: 1 x Bajonett (ifm 1000.2)		

RU1066

Incremental encoder with solid shaft

RU-2500-I05/S2



Diagrams and graphs

Pulse diagram



Output A

Output B

0 index

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