

RU6052

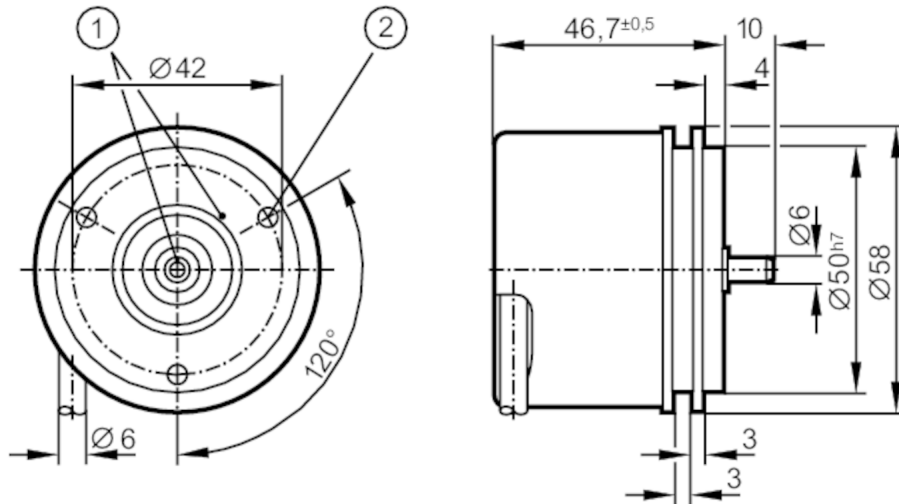


Incremental encoder with solid shaft

RU10000-I24/L2

Status Archive

/RU3500



- 1 reference mark
- 2 M4 Depth 5 mm



Application	
Function principle	incremental
Electrical data	
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 150
Outputs	
Electrical design	HTL
Max. current load per output [mA]	50
Switching frequency [kHz]	300
Type of short-circuit protection	< 60 s
Phase difference A und B [°]	90
Measuring/setting range	
Resolution	10000 resolution
Operating conditions	
Ambient temperature [°C]	-40...100
Note on ambient temperature	for firmly laid cable: -40 °C
Max. relative air humidity [%]	98
Protection	IP 64; (on the housing: IP 67; on the shaft: IP 64)
Tests / approvals	
Shock resistance	200 g
Vibration resistance	30 g
MTTF [years]	190

RU6052



Incremental encoder with solid shaft

RU10000-I24/L2

Mechanical data		
Weight	[g]	487.6
Dimensions	[mm]	Ø 58 / L = 46.7
Materials		aluminium
Max. revolution, mechanical	[U/min]	16000
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; Maximum cable length: 300 m; radial, can also be used axially

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	failure inverted
screen	housing

Diagrams and graphs

Pulse diagram

Output A
Output B
0 index

Status Archive

/RU3500