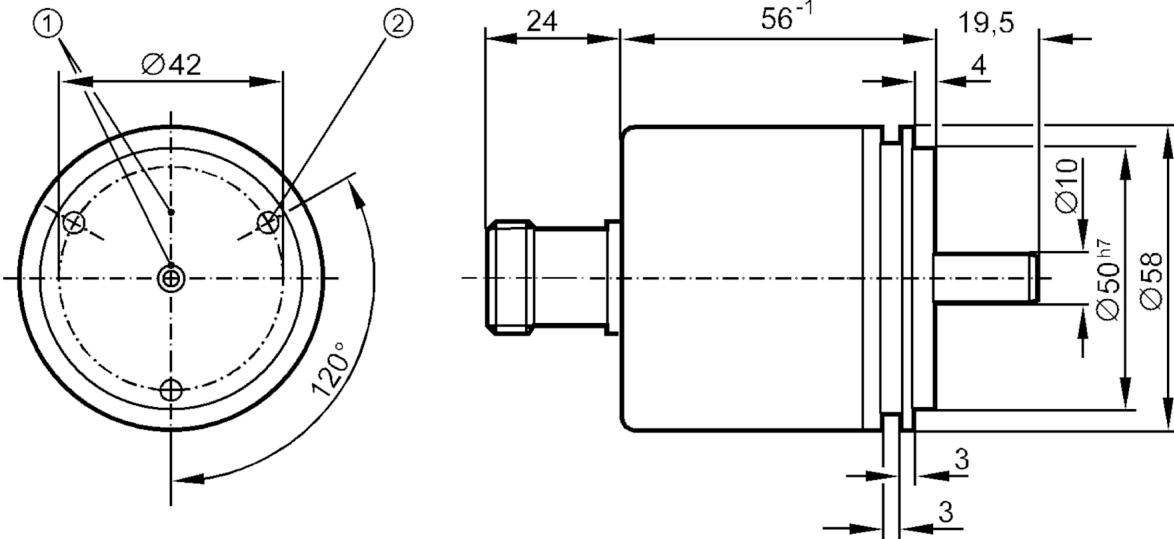


## Incremental encoder with solid shaft

RU-6000-I24/J L

Article no longer available - archive entry



- 1 reference mark  
2 M4 Depth 5 mm



## Product characteristics

Resolution	6000 resolution
Shaft design	solid shaft
Shaft diameter [mm]	10

## Application

Function principle	incremental
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## 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 and B [°]	90

## Measuring/setting range

Resolution	6000 resolution
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## Operating conditions

Ambient temperature [°C]	-30...85
Storage temperature [°C]	-30...100

# RU6096



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RU-6000-I24/J L

Protection

IP 66

### Tests / approvals

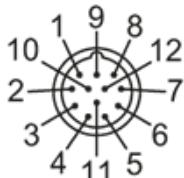
Shock resistance	100 g (6 ms)
Vibration resistance	15 g (55...2000 Hz)

### Mechanical data

Weight	[g]	406
Dimensions	[mm]	Ø 58 / L = 99.5
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]	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
Fixing flange		synchro-flange

### Electrical connection

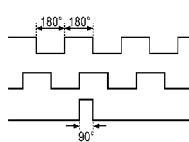
Connector: 1 x M23 (ifm 1001.4), axial



1	B inverted
2	L+ sensor
3	0 index
4	0 index inverted
5	A
6	A inverted
screen	housing
7	failure inverted
8	B
9	n.c.
10	0V (Un)
11	0V sensor
12	L+

### Diagrams and graphs

Pulse diagram



direction of rotation clockwise (looking at the shaft)