

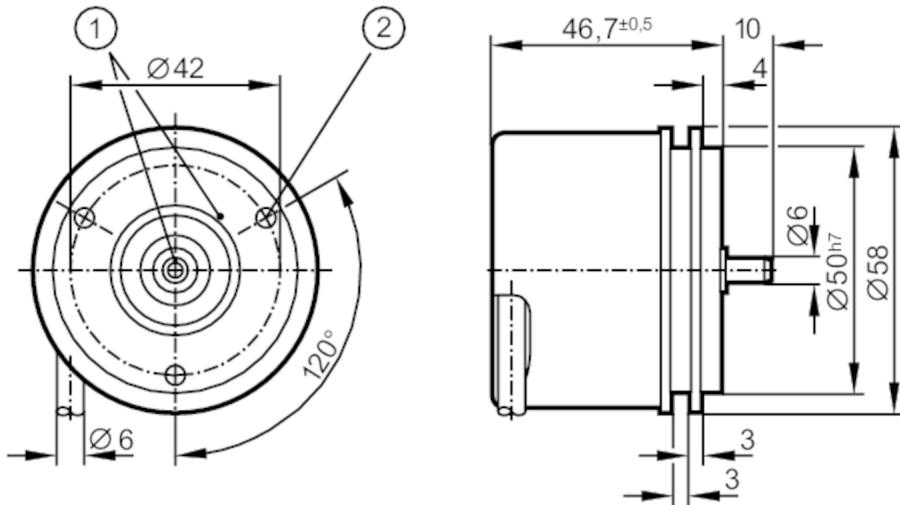
Incremental encoder with solid shaft

RU-0360-I24/L2

discontinued article

Alternative article: RUP500 + E12402 When selecting an alternative article and accessories

please note that technical data may differ! – When selecting an alternative article and accessories please note that technical data may differ! – Discontinuation date: 31.03.2016



1 reference mark
2 M4 Depth 5 mm



Product characteristics

Resolution	360 resolution
Shaft design	solid shaft
Shaft diameter [mm]	6

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 and B [°]	90

Measuring/setting range

Resolution	360 resolution
------------	----------------

RU6013

Incremental encoder with solid shaft

RU-0360-I24/L2



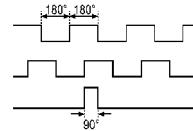
Operating conditions		
Ambient temperature	[°C]	-40...100
Note on ambient temperature		for firmly laid cable: -40 °C
Max. relative air humidity	[%]	98
Protection		IP 64; (on the housing: IP 67; on the shaft: IP 64)
Tests / approvals		
Shock resistance		200 g
Vibration resistance		30 g
MTTF	[years]	190
Mechanical data		
Weight	[g]	491.2
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

Incremental encoder with solid shaft

RU-0360-I24/L2

Diagrams and graphs

Pulse diagram



Output A

Output B

0 index

discontinued article

Alternative article: RUP500 + E12402 When selecting an alternative article and accessories

please note that technical data may differ! – When selecting an alternative article and

accessories please note that technical data may differ! – Discontinuation date: 31.03.2016