RU1025

Incremental encoder with solid shaft

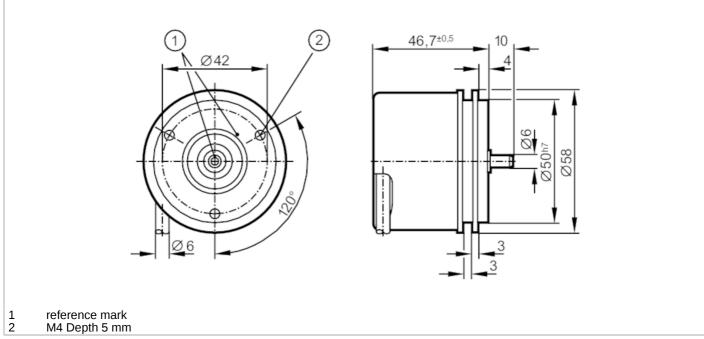




Article no longer available - archive entry

Alternative articles: RUP500 + E12402

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





Product characteristics		
Resolution		1024 resolution
Shaft design		solid shaft
Shaft diameter	[mm]	6
Application		
Function principle		incremental
Electrical data		
Operating voltage tolerance	[%]	10
Operating voltage	[V]	5 DC
Current consumption	[mA]	< 120
Outputs		
Electrical design		TTL
Max. current load per output	[mA]	20
Switching frequency	[kHz]	300
Phase difference A and B	[°]	90
Measuring/setting range		
Resolution		1024 resolution
Operating conditions		
Ambient temperature	[°C]	-40100
Note on ambient temperature		for firmly laid cable: -40 °C

RU1025

Incremental encoder with solid shaft



RU-1024-I05/L2

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		
Mechanical data				
Weight	[g]	486.6		
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		
Electrical connection				
Cable: 2 m, PUR; Maximum cable length: 100 m; radial, can also be used axially				
brown A				
green A inverted	t			
grey B pink B inverted	1			
pink B inverted red 0 index				
black 0 index inverted				
blue L+ sensor				
white 0V sensor				
brown/green L+ (Up) white/green OV (Un)				
lilac failure inv	erted			
screen housing				
Diagrams and graphs				
Pulse diagram				
		direction of rotation clockwise (looking at the shaft)		