# **RV6021**

## Incremental encoder with solid shaft

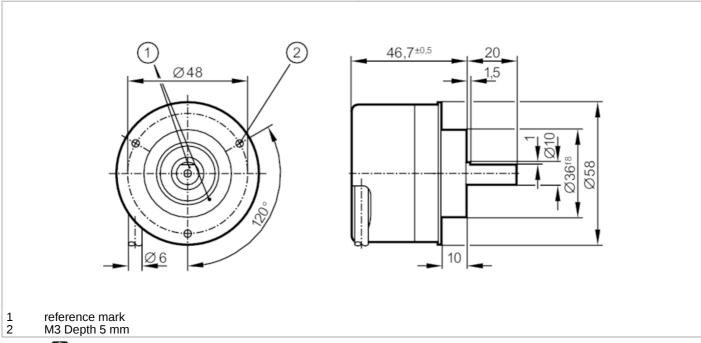




### Article no longer available - archive entry

#### Alternative articles: RV3500

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





Product characteristics		
Resolution		720 resolution
Shaft design		solid shaft
Shaft diameter	[mm]	10
Application		
Function principle		incremental
Electrical data		
Operating voltage	[V]	1030 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		720 resolution
Operating conditions		
Ambient temperature	[°C]	-40100
Note on ambient temperature		for firmly laid cable: -40 °C

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RV-0720-I24/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]	459.4	
Dimensions	[mm]	Ø 58 / L = 46.7	
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 th shaft end)	e [N]	10	
Max. shaft load radial (at the shaft end)	he [N]	20	
Electrical connection			
Cable: 2 m, PUR; Maximum cable length: 300 m; radial, can also be used axially			
brown A			
green A inver	ted		
grey B	4		
pink B inver			
red 0 index black 0 index inverted			
blue L+ sen			
white 0V sen			
brown/green L+ (Up	)		
white/green 0V (Un			
	inverted		
screen housing	g		
Diagrams and graphs			
Pulse diagram			
		direction of rotation clockwise (looking at the shaft)	