RV6026

Incremental encoder with solid shaft

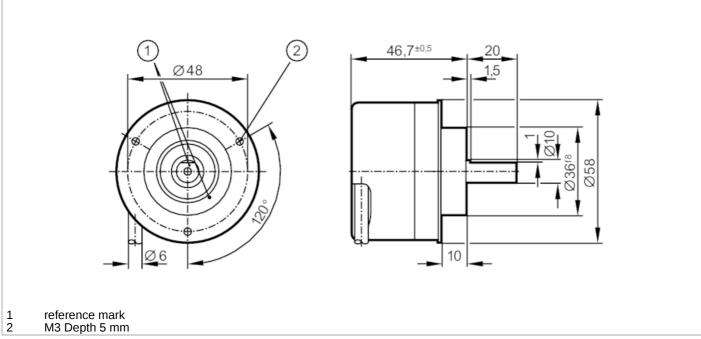




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Alternative articles: RV3500

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





Product characteristics		
Resolution		1080 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		1080 resolution
Operating conditions		
Ambient temperature	[°C]	-40100
Note on ambient temperature		for firmly laid cable: -40 °C

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RV-1080-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	[9] 467.2			
Dimensions [r	m] Ø 58 / L = 46.7			
Materials	aluminium			
Max. revolution, mechanical [U/r	in] 12000			
Max. starting torque [I	m] 1			
Reference temperature torque	C] 20			
Shaft design	solid shaft			
Shaft diameter [r	m] 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			
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 inver	ed			
blue L+ sensor				
white 0V sensor				
brown/green L+ (Up) white/green OV (Un)				
white/green OV (Un) lilac failure inverte	1			
screen housing				
Diagrams and graphs				
Pulse diagram				
Tuise diagram				
	direction of rotation clockwise (looking at the shaft)			