RV6036

Incremental encoder with solid shaft

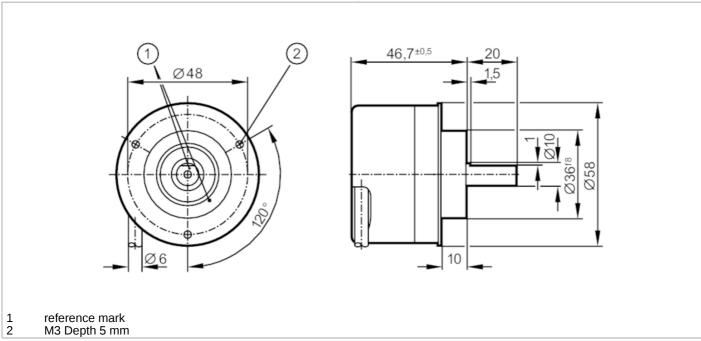




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Alternative articles: RV3500

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





Product characteristics		
Resolution		2500 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 und B	[°]	90
Measuring/setting range		
Resolution		2500 resolution
Operating conditions		
Ambient temperature	[°C]	-40100
Note on ambient temperature		firmly laid cable: -40 °C

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Max. relative air l	numidity	[%]	98
Protection			IP 64; (on the housing: IP 67; on the shaft: IP 64)
Tests / approval	s		
Shock resistance			200 g
Vibration resistan	ice		30 g
Mechanical data	1		
Weight		[g]	464.8
Dimensions		[mm]	Ø 58 / L = 46.7
Material			aluminum
Max. revolution, mechanical [U/min]		U/min]	12000
Max. starting tord	lue	[Nm]	1
Reference tempe torque	rature	[°C]	20
Shaft design			solid shaft
Shaft diameter		[mm]	10
Shaft material			steel (1.4104)
Max. shaft load a shaft end)	xial (at the	[N]	10
Max. shaft load ra shaft end)	adial (at the	[N]	20
Electrical conne	ction		
Cable: 2 m, PUR;	Maximum c	able len	gth: 300 m; radial, can also be used axially
brown	Α		
green	A inverted		
grey	В		
pink	B inverted		
red	0 index		
black	0 index inv	/ertea	
blue white	L+ sensor 0V sensor		
brown/green	L+ (Up)		
white/green	0V (Un)		
lilac	error inver	ted	
screen	housing	.ou	
Diagrams and g			
	- aprilo		
Pulse diagram			
			Direction of rotation clockwise (looking at the shaft)