RN6011

Absolute singleturn encoder with solid shaft

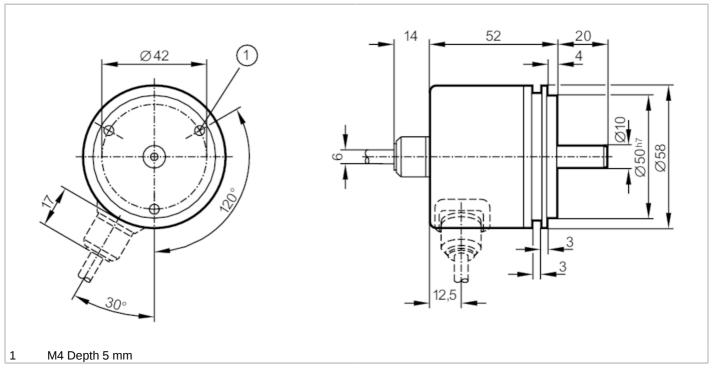
RN-0512-G24/L1B



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Alternative articles: RN6024

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



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Product characteristics		
Resolution		512 resolution; 512 steps; 9 bit
Communication interface		parallel
Shaft design		solid shaft
Shaft diameter	[mm]	10
Electrical data		
Operating voltage	[V]	1030 DC
Current consumption	[mA]	< 150
Max. revolution electrical	[U/min]	6000
Outputs		
Electrical design		HTL
Max. current load per output	[mA]	20
Type of short-circuit protection		< 60 s
Code		Gray code; (increasing code values when turned clockwise (seen on the shaft))
Measuring/setting range		
Resolution		512 resolution; 512 steps; 9 bit
Interfaces		
Communication interface		parallel

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Operating conditi	ons				
Ambient temperatu	ıre [°	C]	-2085		
Storage temperatu	re [°	C]	-30100		
Max. relative air hu	umidity [⁰	%]	98		
Protection			IP 64		
Tests / approvals					
Shock resistance			100 g (6 ms)		
Vibration resistance			10 g (552000 Hz)		
Mechanical data					
Dimensions	[mı	n]	Ø 58 / L = 52		
Materials			aluminium		
Max. revolution, mechanical [U/min]		n]	10000		
Max. starting torqu	ie [Ni	m]	1		
Reference temperatorque	ature [°	C]	20		
Shaft design			solid shaft		
Shaft diameter	[mi	m]	10		
Shaft material			steel (1.4104)		
Max. shaft load axial (at the [N] shaft end)			10		
Max. shaft load rad shaft end)	dial (at the [N]	20		
Electrical connection					
Cable: 1 m, PUR; Maximum cable length: 100 m; axial					
brown	1030V				
yellow/brown	1030V sensor				
white	0V				
white/yellow	0V sensor				
green yellow	release A inverted 530V				
white/grey	release B inverted 530V bit 9 (MSB) inverted				
brown/green	bit 9 (MSB)				
white/green	bit 8				
red/blue	bit 7				
grey/pink	bit 6				
lilac	bit 5				
black	bit 4				
red	bit 3				
blue	bit 2				
pink	bit 1				
Screen	housing				

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