RU6049

Incremental encoder with solid shaft

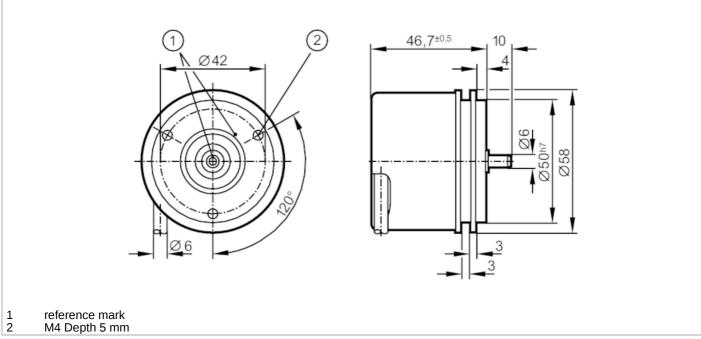




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Alternative articles: RUP500 + E12402

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





Product characteristics		
Resolution		48 resolution
Shaft design		solid shaft
Shaft diameter	[mm]	6
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		48 resolution
Operating conditions		
Ambient temperature	[°C]	-3085
Note on ambient temperature		for firmly laid cable: -30 °C

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RU-0048-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]	489.2
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)	e [N]	20
Fixing flange		synchro-flange
Electrical connection		
Cable: 2 m, PUR; Maximum	cable length	: 300 m; radial, can also be used axially
Cable: 2 m, PUR; Maximum brown A	cable length	: 300 m; radial, can also be used axially
brown A green A inverte		: 300 m; radial, can also be used axially
brown A green A inverte grey B	ed	: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte	ed	: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte red 0 index	ed	: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte red 0 index black 0 index is	ed ed nverted	: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte red 0 index black 0 index is blue L+ sense	ed ed nverted or	: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte red 0 index black 0 index i blue L+ senso white OV senso	ed ed nverted or	: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte red 0 index black 0 index i blue L+ senso white 0V senso brown/green L+ (Up)	ed ed nverted or	: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte red 0 index black 0 index i blue L+ senso white OV senso	ed ed nverted or or	a: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte red O index black O index i blue L+ senso white OV senso brown/green L+ (Up) white/green OV (Un)	ed ed nverted or or	: 300 m; radial, can also be used axially
brown A green A inverte grey B pink B inverte red 0 index black 0 index i blue L+ senso white 0V senso brown/green L+ (Up) white/green 0V (Un) lilac failure in	ed ed nverted or or	: 300 m; radial, can also be used axially
brown A green A inverter grey B pink B inverter red O index in black O index in blue L+ sensor white OV sensor brown/green L+ (Up) white/green OV (Un) lilac failure in screen housing	ed ed nverted or or	a: 300 m; radial, can also be used axially
brown green grey pink pink B inverte gred O index black blue L+ senso brown/green white brown/green white/green lilac grey B pink B inverte O index brownes L+ (Up) white brown/green White/green lilac failure in screen bousing	ed ed nverted or or	2: 300 m; radial, can also be used axially