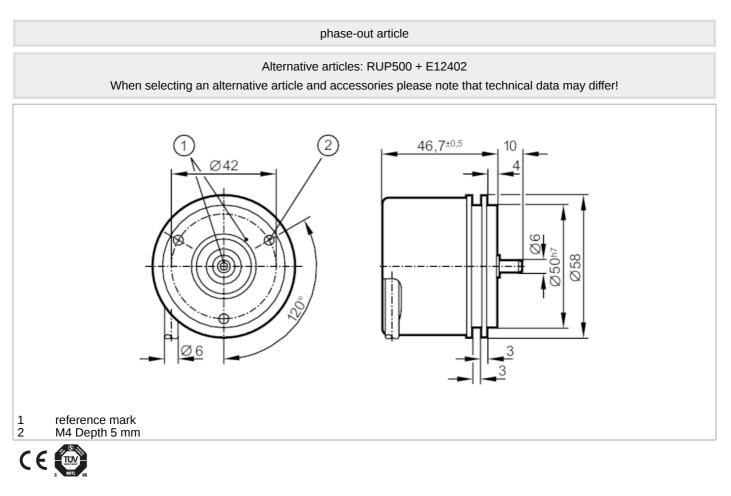
RU6040

Incremental encoder with solid shaft

RU-3600-124/L2





Product characteristics		
Resolution		3600 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		3600 resolution
Operating conditions		
Ambient temperature	[°C]	-40100
Note on ambient temperature		for firmly laid cable: -40 °C

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RU6040

Incremental encoder with solid shaft



RU-3600-I24/L2

Protection IP 64; (on the housing: IP 67; on the shaft: IP 64) Tests 200 g Shock resistance 30 g MTTF [ANN] 190 Mechanical data 90 (100 (100 (100 (100 (100 (100 (100 (1	Max. relative air humidity	98			
Shock resistance 200 g Witration resistance 30 g MTTF [ANN] 190 Mechanical data 190 Weight [g] 484.6 Dimensions [mm] Ø 58 / L = 46.7 Materials aluminium Materials aluminium Max. starting torque [Nm] 1 Reference temperature [°C] 20 Shaft design solid shaft Shaft design solid shaft Shaft design steel (1.4104) Max. shaft load radial (at the [N] 10 shaft metrial steel (1.4104) Max. shaft load radial (at the [N] 20 Fixing flange synchro-flange Etectrical connection 20 Brown A green A inverted grey B pink B inverted red 0 index black 0 index inverted pink B inverted red 0 index	Protection	IP 64; (on the housing: IP 67; on the shaft: IP 64)			
Vibration resistance 30 g MTTF [ANN] 190 Mechanical data Image: Constraint of the second of the	Tests / approvals				
MTTF [ANN] Mechanical data Weight [g] Materials 0/58 / L = 46,7 Materials aluminium Materials aluminium Materials 10000 Max. revolution, mechanical [U/min] 16000 Max. starting torque [Nm] Reference temperature [°C] torque 20 Shaft design solid shaft Shaft dameter [mm] Shaft datateial solid shaft Shaft datateial 10 Max. shaft load axial (at the [N] shaft end) 10 Shaft design 20 Exiting flange 20 Cable: 2 nr, PUR; Maximum cable length: 300 m; radial, can also be used axially brown A green green A inverted greey green A inverted greey green A inverted greey black 0 index inverted blue black 0 index inverted blue black 0 index inverted screen black 0 index bla	Shock resistance	200 g			
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Weight [g] 484.6 Dimensions [mm] Ø 58 / L = 46.7 Materials aluminium Max. revolution, mechanical [U/min] 16000 Max. starting torque [Nm] 1 Reference temperature [*C] 20 Shaft design solid shaft Shaft design solid shaft Shaft dameter [mm] 6 Shaft adameter [mm] 6 Shaft adameter [mm] 10 Max. shaft load axial (at the [N] 10 Max. shaft load axial (at the [N] 20 Fixing flange synchro-flange Electrical connection 20 Fixing flange synchro-flange Electrical connection 20 Green A Ainverted grey B synchro-flange Dindex black O black O oindex inverted black O oindex inverted black O oindex inverted black I failure inverted screen housing Statter	MTTF [AN	190			
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greenA invertedgreyBpinkB invertedred0 indexblack0 index invertedblueL+ sensorwhite0V sensorbrown/greenL+ (Up)white/green0V (Un)lilacfailure invertedscreenhousing	Cable: 2 m, PUR; Maximum cable	ngth: 300 m; radial, can also be used axially			
Pulse diagram	greenA invertedgreyBpinkB invertedred0 indexblack0 index invertblueL+ sensorwhiteOV sensorbrown/greenL+ (Up)white/greenOV (Un)lilacfailure invertescreenhousing				
	Diagrams and graphs				
direction of rotation clockwise (looking at the shaft)	Pulse diagram				