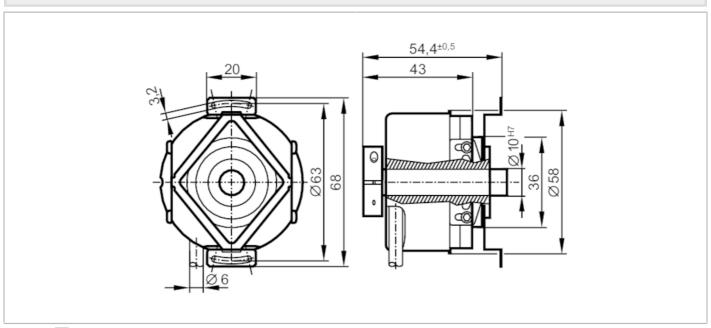
RO6337

Incremental encoder with hollow shaft





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Product characteristics		
Resolution		2048 resolution
Shaft design		continuous hollow shaft
Shaft diameter	[mm]	10
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		2048 resolution
Operating conditions		
Ambient temperature	[°C]	-3085
Note on ambient temperature		for firmly laid cable: -30 °C
Max. relative air humidity	[%]	98
Protection		IP 64; (on the housing: IP 66; on the shaft: IP 64)
Tests / approvals		
Shock resistance		200 g
Vibration resistance		30 g

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Mechanical data				
Dimensions	[mm]	Ø 58 / L = 54.4		
Materials		aluminium		
Max. revolution, mechanical	[U/min]	12000; (when using both shaft clamping rings)		
Max. starting torque	[Nm]	2.5		
Reference temperature torque	[°C]	20		
Shaft design		continuous hollow shaft		
Shaft diameter	[mm]	10		
Shaft fit		H7		
Shaft material		stainless steel		
Installation depth of shaft	[mm]	10		
Max. axial shaft misalignme	nt [mm]	1; (max. radial shaft alignment: ± 0,05 mm)		
Electrical connection				

Cable: 1 m, PUR; radial, can also be used axially

brown A

green A inverted

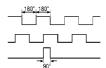
grey E

pink B inverted red 0 index

black 0 index inverted blue L+ sensor white 0V sensor brown/green L+ (Up) white/green 0V (Un) screen housing lilac failure inverted

Diagrams and graphs

Pulse diagram



direction of rotation clockwise (looking at the shaft)