# RO6346

### Incremental encoder with hollow shaft

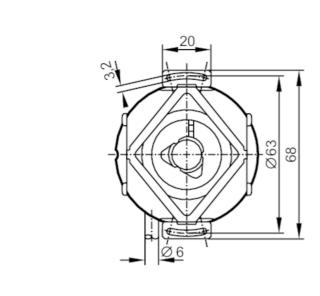
RO-2048-I24/N1U

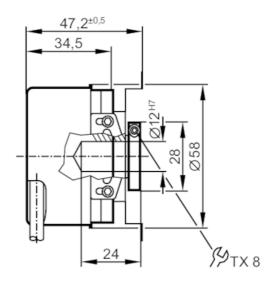


#### Article no longer available - archive entry

#### Alternative articles: ROP521 + E12402

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





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Product characteristics		
Resolution		2048 resolution
Shaft design		hollow shaft open to one side
Shaft diameter	[mm]	12
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		2048 resolution
Operating conditions		
Ambient temperature	[°C]	-3085
Note on ambient temperature		firmly laid cable: -30 °C
Max. relative air humidity	[%]	98

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RO-2048-I24/N1U

Protection		IP 64; (on the housing: IP 67; on the shaft: IP 64)
Tests / approvals	5	
Shock resistance		200 g
Vibration resistant	се	30 g
Mechanical data		
Weight	[g]	450
Dimensions	[mm]	Ø 58 / L = 35.5
Material		aluminum
Max. revolution, n	nechanical [U/min]	12000
Max. starting torq	ue [Nm]	1
Reference temper torque	rature [°C]	20
Shaft design		hollow shaft open to one side
Shaft diameter	[mm]	12
Shaft fit		Н7
Shaft material		stainless steel
Installation depth/	shaft [mm]	10
Max. axial shaft m	nisalignment [mm]	1; (max. radial shaft alignment: ± 0,05 mm)
Electrical conne	ction	
Cable: 1 m, PUR;	Maximum cable leng	yth: 300 m; radial, can also be used axially
brown green grey pink red black blue white brown/green white/green screen lilac	A A inverted B B inverted 0 index 0 index inverted 1030V sensor 0V sensor 1030V (Up) 0V (Un) housing error inverted	
Diagrams and gr	aphs	
Pulse diagram		Direction of rotation clockwise (looking at the shaft)