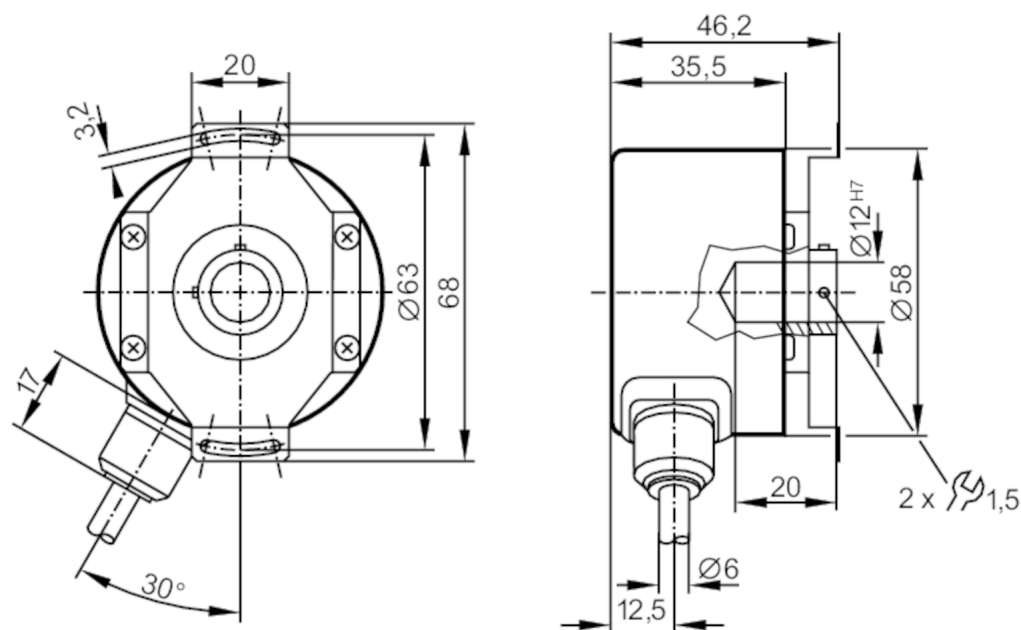


## Incremental encoder with hollow shaft

RO-0006-I24/N1U

Article no longer available - archive entry



## Product characteristics

Resolution	6 resolution
Shaft design	hollow shaft open to one side
Shaft diameter [mm]	12

## Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 150

## Outputs

Electrical design	HTL
Max. current load per output [mA]	20
Switching frequency [kHz]	300
Type of short-circuit protection	< 60 s
Phase difference A and B [°]	90

## Measuring/setting range

Resolution	6 resolution
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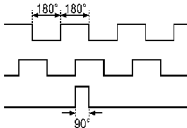
## Operating conditions

Ambient temperature [°C]	-30...85
Note on ambient temperature	for firmly laid cable: -30 °C
Storage temperature [°C]	-30...100
Max. relative air humidity [%]	98
Protection	IP 64



## Incremental encoder with hollow shaft

RO-0006-I24/N1U

Tests / approvals		
Shock resistance		100 g (6 ms)
Vibration resistance		10 g (55...2000 Hz)
Mechanical data		
Dimensions	[mm]	Ø 58 / L = 35.5
Materials		aluminium
Max. revolution, mechanical	[U/min]	12000
Max. starting torque	[Nm]	1
Reference temperature torque	[°C]	20
Shaft design		hollow shaft open to one side
Shaft diameter	[mm]	12
Shaft fit		H7
Shaft material		stainless steel
Installation depth of shaft	[mm]	10
Max. axial shaft misalignment	[mm]	1; (max. radial shaft alignment: ± 0,05 mm)
Electrical connection		
Cable: 1 m, PUR; radial		
brown	A	
green	A inverted	
grey	B	
pink	B inverted	
red	0 index	
black	0 index inverted	
blue	10...30V sensor	
white	0V sensor	
brown/green	10...30V (Up)	
white/green	0V (Un)	
screen	housing	
Diagrams and graphs		
Pulse diagram	<div></div> <div>direction of rotation clockwise (looking at the shaft)</div>	