

ITD 27 A 4 Y15

Through hollow shaft $\varnothing 9$ to $\varnothing 14$ mm

1...32 pulses per revolution

Overview

- Encoder with through hollow shaft $\varnothing 9$...14 mm
- Pulses per revolution up to 32
- Magnetic sensing method
- HTL output signals
- Cable output radial



Technical data

Technical data - electrical ratings

Voltage supply	8...26 VDC
Reverse polarity protection	Yes
Consumption w/o load	≤ 20 mA
Pulses per revolution	1 ... 32
Sensing method	Magnetic
Output signals	A 90° B
Output stages	Push-pull short-circuit proof
Interference immunity	EN 61000-6-2
Emitted interference	EN 61000-6-3

Technical data - mechanical design

Size (flange)	$\varnothing 58$ mm
Shaft type	$\varnothing 9$...14 mm (through hollow shaft)

Technical data - mechanical design

Mounting kit	017
Protection EN 60529	IP 65
Operating speed	≤ 6000 rpm
Material	Housing: aluminium Shaft: stainless steel
Operating temperature	-20...+85 °C
Relative humidity	90 % non-condensing
Resistance	EN 60068-2-6 Vibration 10 g, 55-2000 Hz EN 60068-2-27 Shock 100 g, 11 ms
Connection	Cable 1 m
Weight approx.	220 g

Optional

- Cable with connector

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Terminal assignment

Core colour	Assignment
green	Track A
grey	Track B
brown	UB
white	GND
transparent	Shield/Housing

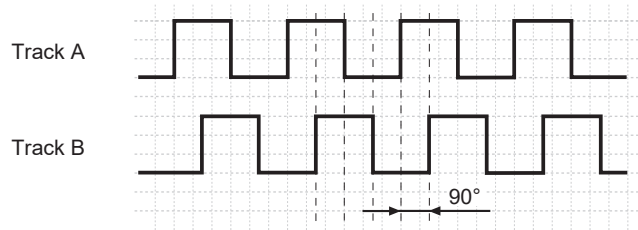
Output signals

Clockwise rotation when looking at the mounting side.

AX-Output signals



BX-Output signals

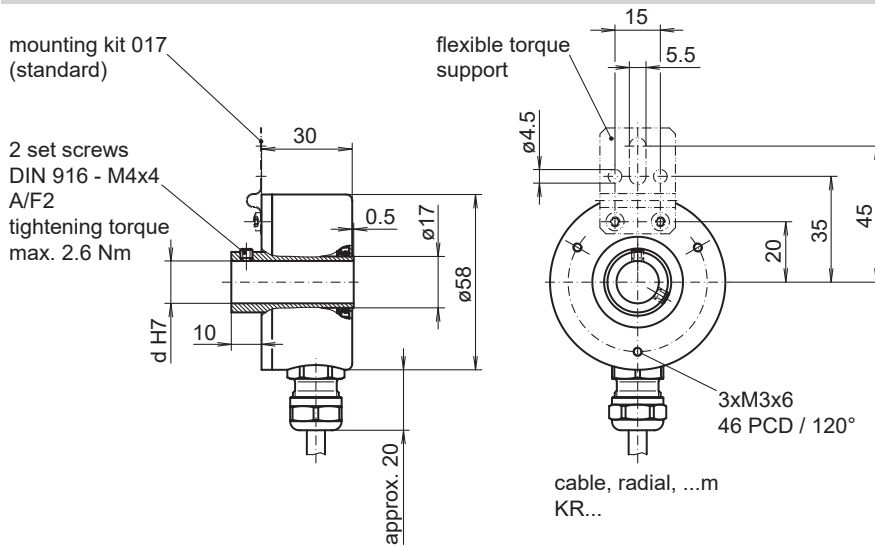


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Dimensions



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Ordering reference										
		ITD 27 A 4 Y15	#####	H	####	KR1	S	##	IP65	017
Product		ITD 27 A 4 Y15								
Pulse number										
1			1							
4			4							
8			8							
16			16							
20			20							
32			32							
Voltage supply / signals										
8...26 VDC / HTL level, push-pull				H						
Output signals										
A					AX					
A, B					BX					
Connection										
Cable 1 m, radial						KR1				
Operating temperature										
-20...+85 °C							S			
Through hollow shaft										
$\varnothing 10$ mm								10		
$\varnothing 14$ mm								14		
Protection										
IP 65									IP65	
Mounting kit										
Mounting kit 017										017

Other diameters on request.