Baumer
Passion for Sensors

Incremental encoders

ITD 27 A 4 Y15

Through hollow shaft ø9 to ø14 mm

1...32 pulses per revolution

Overview

- Encoder with through hollow shaft ø9...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	DIN EN 61000-6-2
Emitted interference	DIN EN 61000-6-3
Technical data - mechanical design	
Size (flange)	ø58 mm
Shaft type	ø9...14 mm (through hollow shaft)

Technical data - mechanical design	
Mounting kit	017
Protection DIN 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	DIN EN 60068-2-6 Vibration 10 g, 55-2000 Hz DIN 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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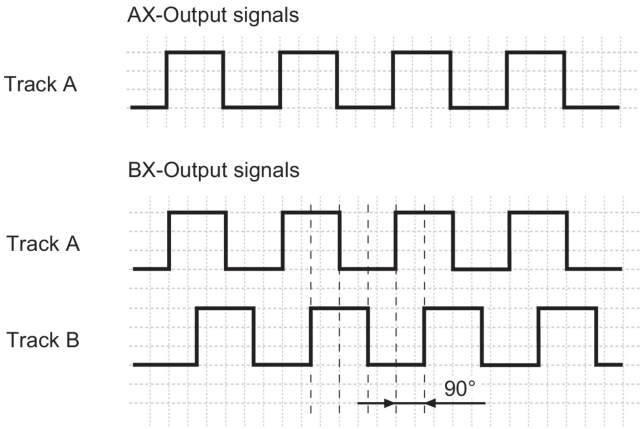
1...32 pulses per revolution

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.



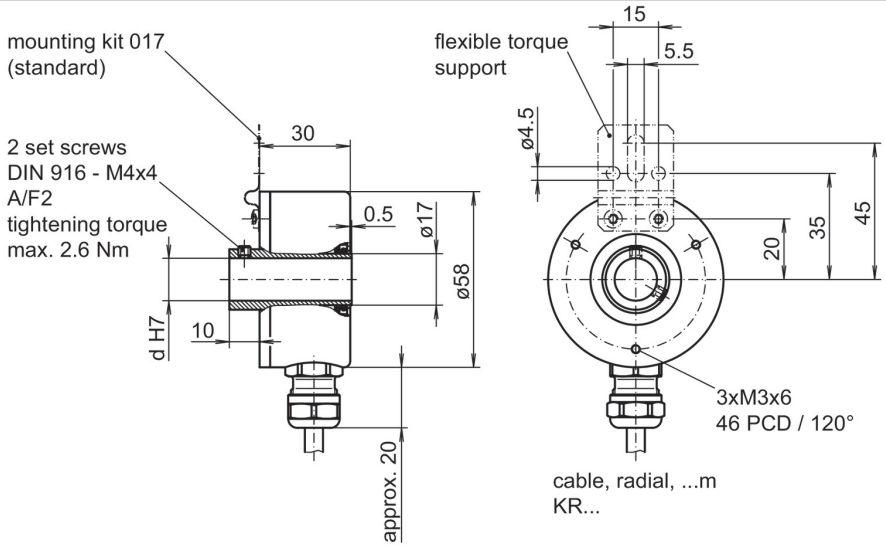
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Dimensions



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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									
ø10 mm							10		
ø14 mm							14		
Protection									
IP 65								IP65	
Mounting kit									
Mounting kit 017									017

Other diameters on request.

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