

ENX 10 MAG INT Encoder \varnothing 10 mm, 1...256 CPT

Integrated into motor

NEW

ENX



Key data		ENX 10 MAG INT incremental, commutation signal
Number of channels		3
Max. counts per turn		256
Additional length at motor	mm	0 (integrated into motor)
Ambient temperature	°C	-40...100
Weight	g	2

Selection criteria		ENX 10 MAG INT incremental, commutation signal
Speed and rotation direction detection		■
Speed and position control		■
Compact and robust design		■
High resolution		▲
Cost effective		■

■ suitable ▲ suitable to a limited extent ● not suitable

Specifications		ENX 10 MAG INT incremental, commutation signal
Supply voltage V_{cc}	V	3.3...6.0
Typical current draw	mA	13
Max. operating frequency	kHz	500
Max. Speed	rpm	100 000
Connection ³		FPC Pin 1 W1 Pin 2 W2 Pin 3 W3 Pin 4 GND Pin 5 V_{cc} Pin 6 channel A Pin 7 channel B Pin 8 channel I Pin 9 H1 Pin 10 H2 Pin 11 H3 Pin 12 do not connect! Output signal: CMOS compatible Output current per channel: ± 4 mA

Configuration		ENX 10 MAG INT incremental, commutation signal
Counts per turn ²		1...256

modular system	Page	Dimensions standard version	M 1:1	Notes
EC motor				
ECX SPEED 10 M	197			<p>¹ Applying voltage to these pins may destroy the encoder.</p> <p>² maxon controllers require a resolution of at least 16 counts per turn.</p> <p>³ H1, index and angle zero are aligned with angle commutation zero (see p. 64).</p> <p>Maximum permissible continuous current in the flexprint cables to W1, W2, W3: 24-pole, 0.5 mm pitch, e.g., Molex 52207-2460 Adapter from flexprint cable to screw terminal, part no.: 804420</p>
				Further technical details can be found in the product information in the online shop under Downloads.