ENX 10 MAG INT Encoder ∅10 mm, 1...256 CPT

Integrated into motor

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	■

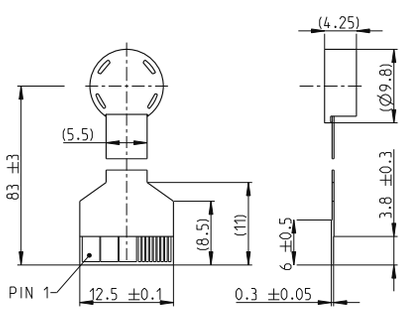
■ suitable ▲ suitable to a limited extent ● not suitable

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[1] 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
EC motor	
ECX SPEED 10 M	199
ECX SPEED 10 L	200

Dimensions standard version M 1:1



Notes

[1] Applying voltage to these pins may destroy the encoder.

[2] maxon controllers require a resolution of at least 16 counts per turn.

[3] H1, index and angle zero are aligned with angle commutation zero (see p. 66).

Maximum permissible continuous current in the flexprint cables to W1, W2, W3: 24-pole, 0.5 mm pitch, e.g., Molex 52435-2471

Adapter from flexprint cable to screw terminal, part no.: **804420**

Further technical details can be found in the product information in the online shop under Downloads.

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