

Key data	ENX 8 MAG incremental	ENX 8 MAG incremental, commutation signal
Number of channels	3	3
Max. counts per turn	256	256
Additional length at motor	mm 7.0	1.0
Ambient temperature	°C -40+100	-40+100
Weight	g 1	1

Selection criteria	ENX 8 MAG incremental	ENX 8 MAG 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	

Typical current draw mA Max. operating frequency kHz	ENX 8 MAG incremental 3.03.6 13 500 100 000 FPC, 12 pole, pitch 0.5 mm Pin 1 Motor+ Pin 2 Motor- Pin 3 not connected Pin 4 GND Pin 5 V _{CC} Pin 6 channel A Pin 7 channel B Pin 8 channel I Pin 9-12 do not connect¹ Output signal: CMOS compatible Output current per channel: ±4 mA	ENX 8 MAG incremental, commutation signal 3.03.6 13 500 100 000 FPC, 12 pole, pitch 0.5 mm 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
Configuration	Output current per channel: ±4 mA	Pin 11 H3 Pin 12 do not connect¹ Output signal: CMOS compatible Output current per channel: ±4 mA
Configuration Counts per turn ²	ENX 8 MAG incremental 1256	ENX 8 MAG incremental, commutation signal 1256

Modular system	Page Dime	ensions standard version	M 1:1 Notes
DC motor	9		¹ Applying voltage to these pins may destroy the
DCX 8 M	98	0	encoder.
		Ø8 -0.1 5.8	² maxon controllers require a resolution of at least
EC motor			16 counts per turn.
ECX SPEED 8 M	197-198		³ H1, index and angle zero are aligned with angle commutation zero (see p. 66).
			Compatible connector:
		<u> </u>	Molex 52745-1297, TE 1-1734839-2
		l.3 ±	Adapter 498157 required for all maxon controllers
		PIN 1	Please note: max. continuous current 0.5 A
		6.5 ±0.050.3 ±	0.05 Further technical details can be found in the product information in the online shop under Downloads.