

# ENX 8 OPT

Encoder Ø8 mm, 128 CPT

**NEW**



Key Data	ENX 8 OPT Incremental	ENX 8 OPT Incremental, Commutation Signal
Number of channels	3	3
Max. counts per turn	128	128
Encoder length L	mm 5.8	5.8
Ambient temperature	°C -20...85	-20...85
Weight	g 1	1

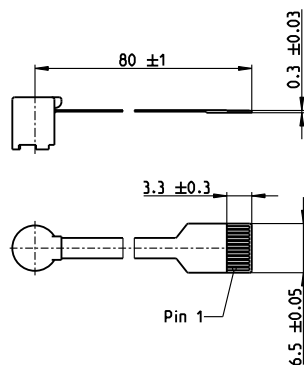
Selection criteria	ENX 8 OPT Incremental	ENX 8 OPT Incremental, Commutation Signal
Speed and rotation direction detection	■	■
Speed and position control	■	■
Compact and robust design	■	■
High resolution	▲	▲
Cost effective	■	■

■ suitable ▲ suitable to a limited extent ● not suitable

Specifications	ENX 8 OPT Incremental	ENX 8 OPT Incremental, Commutation Signal
Supply voltage Vcc	V 3.0...6.0	3.0...6.0
Typical current draw	mA 4	4
Max. operating frequency	kHz 1000	1000
Max. Speed	min <sup>-1</sup> 60000	60000
Connection	FPC, 12 pole, pitch 0.5 mm Pin 1 Motor+ (DC), W1 (BLDC) Pin 2 Motor- (DC), W2 (BLDC) Pin 3 Not connected (DC), W3 (BLDC) Pin 4 GND Pin 5 V <sub>CC</sub> Pin 6 Channel A Pin 7 Channel B Pin 8 Channel I Pin 9-12 Not connected Output signal: CMOS compatible Output current per channel + 5 mA	FPC, 12 pole, pitch 0.5 mm Pin 1 W1 Pin 2 W2 Pin 3 W3 Pin 4 GND Pin 5 V <sub>CC</sub> Pin 6 Channel A Pin 7 Channel B Pin 8 Channel I Pin 9 H1 Pin 10 H2 Pin 11 H3 Pin 12 Not connected Output signal: CMOS compatible Output current per channel + 5 mA

Configuration	ENX 8 OPT Incremental	ENX 8 OPT Incremental, Commutation Signal
Counts per turn <sup>1</sup>	128	128

maxon Modular System	Seite	Dimensions Standard Version	Notes
maxon DC motor			
DCX 8 M	67		
maxon EC motor			
ECX 8 SPEED M	166-167		



<sup>1</sup> Applying voltage to these pins may destroy the encoder.

**Compatible connector:**  
Molex 52745-1297, Tyco 1-1734839-2  
Adapter 498157 required for all maxon controllers

**Please note:** max. continuous current 0.5 A

[xdrives.maxonmotor.com](http://xdrives.maxonmotor.com)