

ENX 6 OPT

Encoder Ø6 mm, 128 CPT

NEW



maxon ENX

Key Data	ENX 6 OPT Incremental	
Number of channels	3	
Max. counts per turn	128	
Encoder length L	mm	5.8
Ambient temperature	°C	-20...85
Weight	g	1

Selection criteria	ENX 6 OPT Incremental	
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 6 OPT Incremental	
Supply voltage Vcc	V	3.0...6.0
Typical current draw	mA	4
Max. operating frequency	kHz	1000
Max. Speed	min ⁻¹	60000
Connection	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	Not connected
	Output signal: CMOS compatible	
	Output current per channel + 5 mA	

Configuration	ENX 6 OPT Incremental	
Counts per turn ¹	128	

maxon Modular System	Seite	Dimensions Standard Version	Notes
maxon DC motor			
DCX 6 M	66		<p>¹ Applying voltage to these pins may destroy the encoder.</p> <p>Compatible connector: Molex 52745-1297, Tyco 1-1734839-2 Adapter 498157 required for all maxon controllers</p> <p>Please note: max. continuous current 0.5 A</p>

xdrives.maxonmotor.com