

# ENX 16 EASY XT Encoder Ø16 mm, 1...1024 CPT



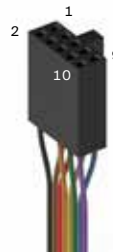
ENX

Key Data		EASY Incremental Differential
Number of channels		3
Max. counts per turn		1024
Encoder length L <sup>2</sup>	mm	8.5
Ambient temperature	°C	-55 ... +125
Weight	g	7

Selection criteria	EASY Incremental Differential
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	EASY Incremental Differential
Supply voltage V <sub>cc</sub>	V 5 ± 0.5
Typical current draw	mA 22
Max. operating frequency	kHz 1600
Max. Speed	rpm 30000
Connector	10-pin 2.54 mm multipoint connector (IEC/EN 60603-13 / DIN41651)
	Pin 1 Not connected
	Pin 2 V <sub>cc</sub>
	Pin 3 GND
	Pin 4 Not connected
	Pin 5 Channel $\bar{A}$
	Pin 6 Channel A
	Pin 7 Channel $\bar{B}$
	Pin 8 Channel B
	Pin 9 Channel $\bar{I}$
	Pin 10 Channel I
	Output signal: EIA-Standard RS 422
	Output current per channel: ± 20 mA



Configuration	EASY Incremental Differential
Counts per turn <sup>1</sup>	1 ... 1024
Cable length	mm 500, 1000, 1500
Alignment of cable outlet in relation to motor flange	° 15

maxon Modular System	Page	Dimensions Standard Version	M 3:4	Notes
<b>maxon DC motor</b>				
DCX 16 S	93-94			<sup>1</sup> maxon controllers require a resolution of at least 16 counts per turn. <sup>2</sup> For attachment to DCX motors: plus 2-4 mm thick intermediate plate.
DCX 16 L	95-96			
DCX 19 S	97-98			
DCX 22 S	99-100			
DCX 22 L	101-102			
DCX 26 L	103-104			
DCX 32 L	105			
DCX 35 L	106			

Also available in combination with BLDC motors (see pages 466-467)

xdrives.maxongroup.com