

ENX 10 EASY XT Encoder Ø10 mm, 1...1024 CPT

ENX



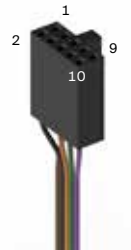
Key Data		EASY Incremental single-ended
Number of channels		3
Max. counts per turn		1024
Encoder length L ²	mm	8.5
Ambient temperature	°C	-55 ... +125
Weight	g	<5

Selection criteria		EASY Incremental single-ended
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 single-ended
Supply voltage V _{cc}	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_{CC}
 Pin 3 GND
 Pin 4 Not connected
 Pin 5 Not connected
 Pin 6 Channel A
 Pin 7 Not connected
 Pin 8 Channel B
 Pin 9 Not connected
 Pin 10 Channel I
 Output signal: TTL compatible
 Output current per channel: + 10 mA



Configuration		EASY Incremental single-ended
Counts per turn ¹		1 ... 1024
Cable length	mm	300
Alignment of cable outlet in relation to motor flange	°	15

maxon Modular System	Page	Dimensions Standard Configuration	M 1:1	Notes
maxon DC motor				
DCX 10 S	87			¹ maxon controllers require a resolution of at least 16 counts per turn. ² For attachment to DCX motors: plus 2-4 mm thick intermediate plate.
DCX 10 L	88			
DCX 12 S	89			
DCX 12 L	90			
DCX 14 L	91-92			
DCX 16 S	93-94			
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			

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