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

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	▲

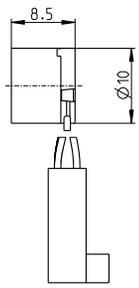
■ suitable ▲ suitable to a limited extent ● not suitable

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	30 000
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...024
Cable length	mm	300
Alignment of cable outlet in relation to motor flange	°	15

Modular system			Page
DC motor		**EC motor**	
DCX 10 S	99	ECX PRIME 16 M	236
DCX 10 L	100	ECX PRIME 16 L	237
DCX 12 S	101		
DCX 12 L	102		
DCX 14 L	103–104		
DCX 16 S	105–106		
DCX 16 L	107–108		
DCX 19 S	109–110		
DCX 22 S	111–112		
DCX 22 L	113–114		
DCX 26 L	115–116		
DCX 32 L	117		
DCX 35 L	118		

Dimensions standard configuration M 1:1



Notes

[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.

Further technical details can be found in the product information in the online shop under Downloads.

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