ENX 10 EASY/QUAD

Encoder Ø10 mm, 1...1024 CPT



Key Data	EASY Incremental Differential	QUAD Incremental
Number of channels	3	2
Max. counts per turn	1024	1
Encoder length L⁴	mm 8.5	9.0
Ambient temperature	°C -40 +100	-40 +100
Weight	g <5	<5

Selection criteria	EASY Incremental Differential	QUAD 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		EASY Incremental Differential	QUAD Incremental
Supply voltage Vcc	V	5 ±0.5	3.0 – 24
Typical current draw	mA	22	5.5
Max. operating frequency	kHz	500	2
Max. Speed	rpm	30000	30000
Connector		10-pin 1.27 mm multipoint connector e.g. Samtec FFSD series Pin 1 Do not connect¹ (BiSS-C Data) Pin 2 V _{CC}	10-pin 2.54 mm multipoint connector³ (IEC/EN 60603-13 / DIN41651) Pin 1 Not connected Pin 2 V _{cc}
		Pin 3 GND Pin 4 Do not connect ¹ (BiSS-C CLK) Pin 5 Channel Ā Pin 6 Channel Ā Pin 7 Channel B Pin 8 Channel B Pin 9 Channel Ī Pin 10 Channel I Output signal: EIA-Standard RS 422 Output current per channel: ± 20 mA	Pin 2 V _{CC} Pin 3 Channel A Pin 4 Channel B Pin 5 GND Pin 6 Not connected Pin 7 Not connected Pin 8 Not connected Pin 9 Not connected Pin 10 Not connected Pin 10 Not connected Output signal: TTL compatible Output current per channel: + 10 mA
Configuration		EASY Incremental Differential	QUAD Incremental
Counts per turn ²		11024	1
Electrical connection		Flat band cable / flexible cable FFC ³	Connector 6-pin, 10-pin
Cable length	mm	50, 100, 150, 200, 300, 500, 1000 / FFC3: 138 mm	50, 100, 150, 200, 300, 500, 1000
Alignment of cable outlet in relation to motor flang	je °	15	15

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