

1...1024 CPT / 4096 steps, Single Turn

Sterilizable, integrated into motor



ENZ

Key data		EASY incremental differential	EASY Absolute
Number of channels		3	
Max. counts per turn		1024	
Steps per turn			4096
Resolution (bit single turn)			12
Encoder length L	mm	-1.4 (integrated into motor)	-1.4 (integrated into motor)
Ambient temperature	°C	-40...+125	-40...+125
Weight	g	<5	<5

Selection criteria	EASY incremental differential	EASY Absolute
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	EASY Absolute
Supply voltage V_{cc}	V	5 ± 0.5	5 ± 0.5
Typical current draw	mA	22	22
Max. operating frequency	kHz	4000	
Max. Speed	rpm	200 000	200 000
Connector ²		10-pin 2.54 mm multipoint connector (IEC/EN 60603-13 / DIN41651) cable AWG 26	without connector cable AWG 26
		Pin 1 not connected	green Data
		Pin 2 (black) V_{cc}	black V_{cc}
		Pin 3 (brown) GND	brown GND
		Pin 4 not connected	yellow CLK
		Pin 5 (red) channel A	
		Pin 6 (orange) channel A	
		Pin 7 (yellow) channel B	
		Pin 8 (green) channel B	
		Pin 9 (blue) channel I	
		Pin 10 (violet) channel I	
		Output signal: EIA-Standard RS 422	Output signal: CMOS compatible
		Output current per channel: ± 20 mA	Output current per channel + 20 mA

Configuration		EASY incremental differential	EASY Absolute
Counts per turn ¹		1...1024	
Signalprotokoll			BiSS-C, SSI
Cable length	mm	200, 500	200, 500
Electric connection			cable length/pin connection/connector

[illegible]