

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

Sterilizable, integrated into motor



XN

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	0 (integrated into motor)	0 (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 / DIN 41651) cable AWG 28 Pin 1 not connected Pin 2 (black) V_{cc} Pin 3 (brown) GND Pin 4 not connected 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 current per channel: ±20 mA	without connector cable AWG 28 green Data black V_{cc} brown GND yellow CLK Output signal: CMOS compatible Output current per channel: +20 mA

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

[illegible]