

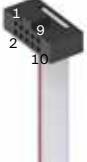
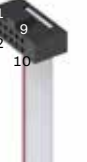
Integrated into motor



Key Data	EASY Incremental Differential	EASY Incremental, Commutation Signal
Number of channels	3	3
Max. counts per turn	1024	1024
Encoder length L	mm 0 (integrated into motor)	0 (integrated into motor)
Ambient temperature ²	°C -20...100 (-40...100)	-20...100 (-40...100)
Weight	g <4	<4

Selection criteria	EASY Incremental Differential	EASY Incremental, Commutation Signal
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 Incremental, Commutation Signal
Supply voltage V _{cc}	V 5 ±0.5	5 ±0.5
Typical current draw	mA 17	17
Max. operating frequency	kHz 500	500
Max. Speed ⁵	rpm 30 000 – 80 000	30 000 – 80 000
Connector ³	10-pin 1.27 mm multipoint connector e.g. Samtec FFSD series	10-pin 1.27 mm multipoint connector e.g. Samtec FFSD series
	Pin 1 Do not connect ⁴ (BiSS-C Data)	Pin 1 Do not connect ⁴ (BiSS-C Data)
	Pin 2 V _{cc} 4.5...5.5	Pin 2 V _{cc} 4.5...5.5
	Pin 3 GND	Pin 3 GND
	Pin 4 Do not connect ⁴ (BiSS-C CLK)	Pin 4 Do not connect ⁴ (BiSS-C CLK)
	Pin 5 Channel A̅	Pin 5 H1
	Pin 6 Channel A	Pin 6 Channel A
	Pin 7 Channel B̅	Pin 7 H2
	Pin 8 Channel B	Pin 8 Channel B
	Pin 9 Channel I̅	Pin 9 H3
	Pin 10 Channel I	Pin 10 Channel I
	Output signal: EIA-Standard RS 422	Output signal: CMOS compatible
	Output current per channel: ± 20 mA	Output current per channel: + 20 mA
		
		Adapter Micromotor (Art.-No. 498157) required for all maxon controllers.

Configuration	EASY Incremental Differential	EASY Incremental, Commutation Signal
Counts per turn ¹	1...128, 256, 512, 1024	1...128, 256, 512, 1024
Cable length mm	50, 100, 150, 200, 250, 300	50, 100, 150, 200, 250, 300
Cable insulation ²	PVC/PO/FEP	PVC/PO/FEP
Alignment of cable outlet in relation to motor flange °	axial	axial

[illegible]