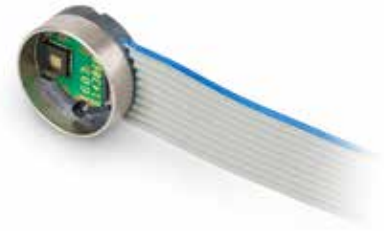


ENX 16 RIO Encoder \varnothing 16 mm, 512 ... 65 536 CPT

ENX

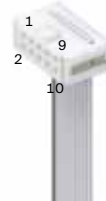


Key Data		RIO Incremental, optical
Number of channels		3
Max. counts per turn		65 536
Encoder length L ¹	mm	7.0
Ambient temperature	°C	-40 ... +100
Weight	g	15

Selection criteria		RIO Incremental, optical
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		RIO Incremental, optical
Supply voltage V _{cc}	V	5 ± 10%
Typical current draw	mA	50
Max. operating frequency	kHz	3125
Max. Speed	rpm	40 000
Connection		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 Channel \bar{A}
		Pin 6 Channel A
		Pin 7 Channel \bar{B}
		Pin 8 Channel B
		Pin 9 Channel \bar{I}
		Pin 10 Channel I
		Output signal: EIA-Standard RS 422
		Output current per channel: ± 20 mA



Configuration		RIO Incremental, optical
Counts per turn		512... 65536 (in steps of 256)
Cable length	mm	50, 100, 150, 200, 300, 500, 1000
Alignment of cable outlet in relation to motor flange	°	15

maxon Modular System	Seite	Dimensions Standard Version	Notes
maxon DC motor			
DCX 16 S	93-94		¹ For attachment to DCX motors: added 2-4 mm thick intermediate plate.
DCX 16 L	95-96		
DCX 19 S	97-98		
DCX 22 S	99-100		
DCX 22 L	101-102		
DCX 26 L	103-104		
DCX 32 L	105		
DCX 35 L	106		

Also available in combination with BLDC motors (see pages 481-482)

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