

ENX 16 EASY Absolute Encoder Ø16 mm, 4096 steps, Single Turn

ENX

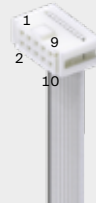


Key Data	EASY Absolute
Steps per turn	4096
Resolution (bit single turn)	12
Encoder length L ¹	mm 8.5
Ambient temperature	°C -40 ... +100
Weight	g 7

Selection criteria	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 Absolute
Supply voltage V _{cc}	V 5 ±0.5
Typical current draw	mA 17
Max. Speed	rpm 25 000
Connector	10-pin 2.54 mm multipoint connector (IEC/EN 60603-13 / DIN41651) Pin 1 Data Pin 2 V _{CC} Pin 3 GND Pin 4 CLK Pin 5 Do not connect ² (A) Pin 6 Do not connect ² (A) Pin 7 Do not connect ² (B) Pin 8 Do not connect ² (B) Pin 9 Do not connect ² (I) Pin 10 Do not connect ² (I) Output signal: CMOS compatible Output current per channel ± 20 mA



Configuration	EASY Absolute
Signal protocol	BiSS-C, SSI
Cable length	mm 50, 100, 150, 200, 300, 500, 1000
Alignment of cable outlet in relation to motor flange	° 15

maxon Modular System	Page	Dimensions Standard Version	M 3:4	Notes
maxon DC motor				
DCX 16 S	93-94			Adapter EASY Absolute (Part number 488167) required for all maxon controllers. ¹ For attachment to DCX motors: added 2-4 mm thick intermediate plate. ² Applying voltage to these pins may destroy the encoder.
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			
DC-max 26 S	113-114			

Also available in combination with BLDC motors (see pages 468-469)

xdrives.maxongroup.com