

ENX 16 EASY Encoder Ø16 mm, 1...1024 CPT



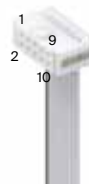
ENX

Key data		EASY incremental differential	
Number of channels		3	
Max. counts per turn		1024	
Encoder length L ²	mm	8.5	
Ambient temperature	°C	-40...+100	
Weight	g	7	

Selection criteria	EASY incremental differential	
Speed and rotation direction detection	■	
Speed and position control	■	
Compact and robust design	■	
High resolution	■	
Cost effective	■	

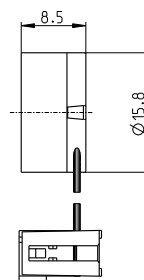
■ suitable ▲ suitable to a limited extent ● not suitable

Specifications	EASY incremental differential	
Supply voltage V _{CC}	V	5 ±0.5
Typical current draw	mA	22
Max. operating frequency	kHz	1600
Max. Speed	rpm	30 000
Connector	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 A
	Pin 6	channel A
	Pin 7	channel B
	Pin 8	channel B
	Pin 9	channel I
	Pin 10	channel I
	Output signal: EIA-Standard RS 422	
	Output current per channel: ±20 mA	



Variants	For configurable units	Non-configurable units					
Part Number	depends on configuration	499356	499357	499358	499359	499360	499361
Counts per turn ¹	1...1024	128	256	500	512	1000	1024
Cable length	mm	300	300	300	300	300	300
Alignment of cable outlet in relation to motor flange °	15 (pitch)	0	0	0	0	0	0

Modular system	Page	Dimensions standard version	M 1:1	Notes
DC motor				
DCX 16 S	105-106	EC-max 16	279/281	
DCX 16 L	107-108	EC-max 22	282-283	
DCX 19 S	109-110	EC-max 30	284-285	
DCX 22 S	111-112	EC-max 40	286-287	
DCX 22 L	113-114	EC-4pole 22	291-292	
DCX 26 L	115-116	EC-4pole 30	293/295	
DCX 32 L	117	EC-i 30	302-305	
DCX 35 L	118	EC-i 40	306-311	
DC-max 26 S	125-126	EC-i 52	312-315	
		ECX PRIME 16 M	236	
		ECX PRIME 16 L	237	
		ECX PRIME 22 L	239	



¹ maxon controllers require a resolution of at least 16 counts per turn.
² Length given excludes any intermediate plate for mounting on a motor. The effective total length of a motor-encoder combination can be found on the respective dimensional drawing.

Further technical details can be found in the product information in the online shop under Downloads.