



Key data		ENX 6 MAG incremental	ENX 6 MAG incremental, commutation signal
Number of channels		3	3
Max. counts per turn		256	256
Additional length at motor ⁴	mm	6.2	0.0...2.1
Ambient temperature	°C	-40...+100	-40...+100
Weight	g	1	1

Selection criteria	ENX 6 MAG incremental	ENX 6 MAG 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	ENX 6 MAG incremental	ENX 6 MAG incremental, commutation signal
Supply voltage V _{cc}	V 3.0...3.6	3.0...3.6
Typical current draw	mA 13	13
Max. operating frequency	kHz 500	500
Max. Speed	rpm 100 000	100 000
Connection ³	FPC, 12 pole, pitch 0.5 mm	FPC, 12 pole, pitch 0.5 mm
	Pin 1 Motor+	Pin 1 W1
	Pin 2 Motor-	Pin 2 W2
	Pin 3 not connected	Pin 3 W3
	Pin 4 GND	Pin 4 GND
	Pin 5 V _{cc}	Pin 5 V _{cc}
	Pin 6 channel A	Pin 6 channel A
	Pin 7 channel B	Pin 7 channel B
	Pin 8 channel I	Pin 8 channel I
	Pin 9-12 do not connect ¹	Pin 9 H1
	Output signal: CMOS compatible	Pin 10 H2
	Output current per channel: ±4 mA	Pin 11 H3
		Pin 12 do not connect ¹
		Output signal: CMOS compatible
		Output current per channel: ±4 mA

Configuration	ENX 6 MAG incremental	ENX 6 MAG incremental, commutation signal
Counts per turn²	1...256	1...256

[illegible]