

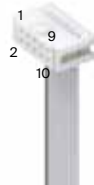


Key data	IMR 2 channel differential		IMR 2 channel single-ended
Number of channels	2		2
Max. counts per turn	256		256
Encoder length L ¹	mm	5.8	5.8
Ambient temperature	°C	-20...+85	-20...+85
Weight	g	6	7

Selection criteria	IMR 2 channel differential		IMR 2 channel single-ended
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	IMR 2 channel differential		IMR 2 channel single-ended
Supply voltage V _{cc}	V 5 ±0.5		5 ±0.5
Typical current draw	mA 10		10
Max. operating frequency	kHz 320		320
Max. Speed	rpm 75 000		75 000
Connector	Flexprint cable FPC 10 pole, pitch 1 mm possible matching connector Molex 52207-1033		10 pole 2.54 mm multipoint connector (IEC/EN 60603-13 / DIN41651)
	Pin 1 Motor +		Pin 1 Motor +
	Pin 2 V _{cc}		Pin 2 V _{cc}
	Pin 3 GND		Pin 3 channel A
	Pin 4 Motor -		Pin 4 channel B
	Pin 5 channel A		Pin 5 GND
	Pin 6 channel A		Pin 6 Motor -
	Pin 7 channel B		Pin 7 not connected
	Pin 8 channel B		Pin 8 not connected
	Pin 9 not connected		Pin 9 not connected
	Pin 10 not connected		Pin 10 not connected
	Output signal: EIA-Standard RS 422		Output signal: CMOS compatible
	Output current per channel: ±20 mA		Output current per channel: ±5 mA

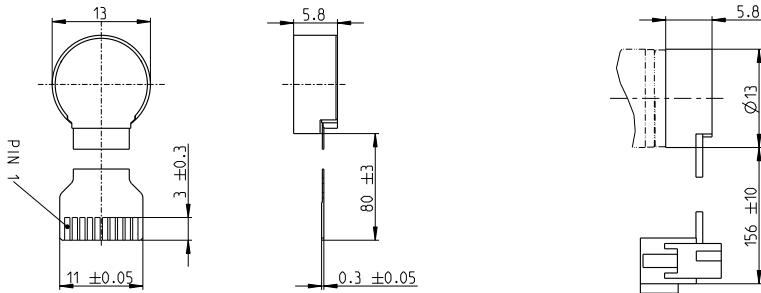


Variants	IMR 2 channel differential			IMR 2 channel single-ended		
Part Number	870700	870701	870702	870696	870697	870699
Counts per turn	64	128	256	64	128	256
Cable length	mm 80	80	80	156	156	156

modular system	Page	IMR 2 channel differential	IMR 2 channel single-ended	M 1:1
DC motor RE 13	137-150			

Notes
¹Length 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.

Maximum permissible cable/plug continuous current: 1.0 A.



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