Key data	IMR 3-channel differential	
Number of channels	3	
Max. counts per turn	1024	
Encoder length L ¹	mm 11	
Ambient temperature	°C -20+85	
Weight	g 12	

Selection criteria	IMR 3-channel 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
Supply voltage V _{cc} V
Typical current draw mA
Max. operating frequency kHz
Max. Speed rpm
Connector

Variants	IM	IMR 3-channel differential				
Part Number	870	70722	870725	870723	870726	870724
Counts per turn	25	56	500	512	1000	1024
Cable length r	mm 50	06	506	506	506	506

modular system	Page Dimens	ions standard version	M 1:2 Notes
DC motor			¹ Length given excludes any intermediate plate for
RE 30	159-160		mounting on a motor. The effective total length of a motor-encoder combination can be found on the respective dimensional drawing.
RE 35	161		
RE 40	162-163	- 11	
A-max 32	187-188		
			Further technical details can be found in the product

information in the online shop under Downloads.