

Series MAB22A / Hall Effect Absolute Encoder

Electrical Data	Voltage Output		Current Output
Electrical angle	20°...360° (Standard 360°)		
Independent Linearity Tolerance	± 0,3%		
Resolution	12 Bit (4096 Steps)		
Update rate	0,6 ms / Option High Speed 0,2 ms		
Output Signal	0...5 V ratiometric	0...10 V	0...20 mA, 4...20 mA
Supply Voltage	5 V ±10 %	15...30 V	9...30 V
Supply Current (without load)	< 15 mA / < 20 mA (HS)		
Signal Load	≥ 5k Ohm	≤500 Ohm	

Mechanical Data	
Max. mechanical rotation speed	6.000 rpm

Other Data	
Protection class	IP65
Operating Temperature	-30 ... +80° C
Storage Temperature	-40 ... +80° C
Bearing	2 precision ball bearings
Material Housing	Chromed Aluminium
Material Shaft	Stainless steel
Weight	≈ 25 g
Mounting Parts	3 clamps SFN2, incl. screws M3x0,5 Please order separately

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Order Description and Options

Series MAB22A with single electronics	MAB22A					
<u>Shaft diameter</u>						
Ø 4 mm		4				
Ø 3,175 mm (1/8")		3,175				
<u>Update Rate / Supply voltage / Output signal</u>						
High speed / 5 V / 0...5 V			12HS 0505 (*)			
High speed / 24 V (9...30 V) / 0...5 V			12HS 2405 (*)			
High speed / 24 V (15...30 V) / 0...10 V			12HS 2410			
Standard speed / 24 V (9...30 V) / 4...20 mA			12 2442			
Standard speed / 24 V (9...30 V) / 0...20 mA			12 2420 (*)			
Standard Clockwise 360°				-		
Counterclockwise rising signal				CCW360 (*)		
Other electrical effective angle				C(C)Wxxx (*)		
Clockwise rising signal; 360°, zero point alignment					N	
Other shaft length [mm]						Axx (*)
<u>Cable output</u>						
Axial - 1 m						-
Axial [m]						CVxx(*)
Radial [m]						CVRxx(*)

(*) = on request available for projects

Our speciality are custom solutions for reasonable prices, even for small series

On serial demand we offer: Special angles and shafts, mounting of gear wheels and other mechanical parts, cable and connector assemblies. Please ask us.

Errors and specifications subject to change without notice.

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