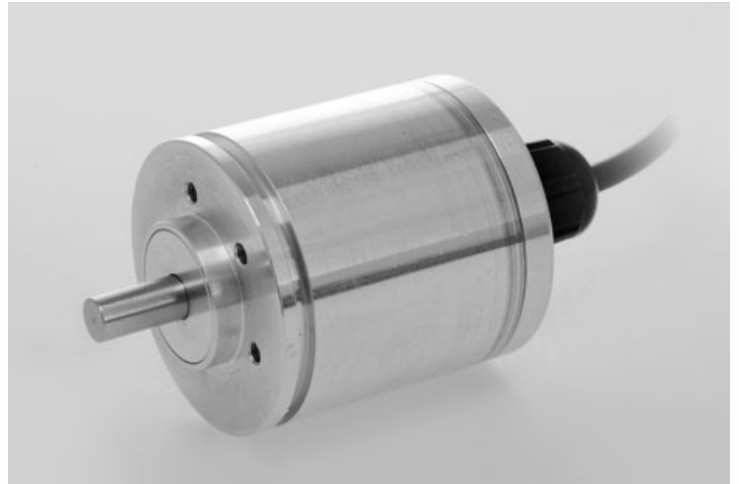


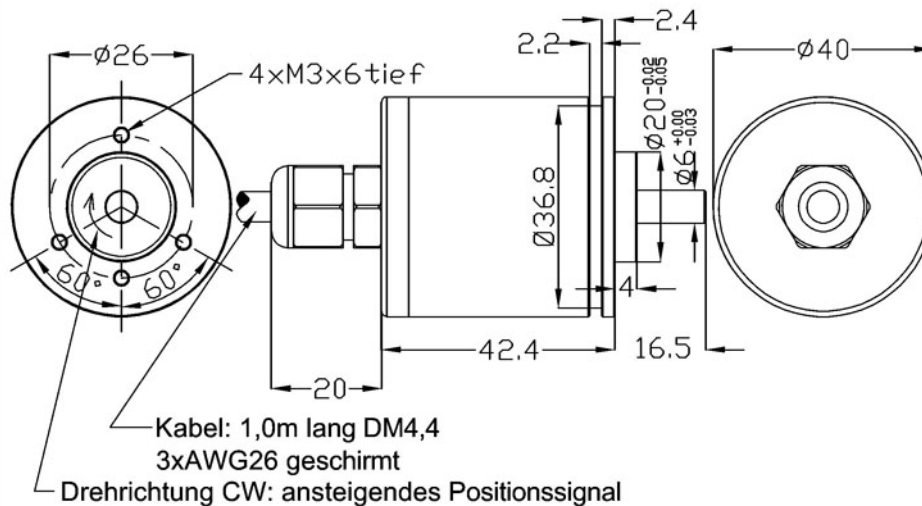
Serie MAB40A / Hall Effect Absolute Encoder

- Angle range 360° (special angles on request)
- 12 Bit resolution
- Protection class IP67
- Analog output: 0-5V, 0-10V, 4-20mA
- Supply voltage: 5V, 24V
- Housing Ø 40 mm with servoflange
- Precision ball bearings

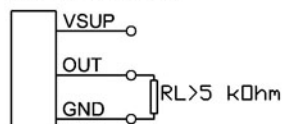
If cost effectiveness, rugged operation and versatility are required, the MAB40A is the ideal solution. 2 precision ball bearings and the magnetic measuring principle are warrants for a high life expectancy.



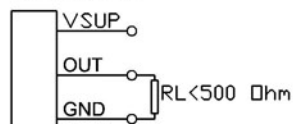
Drawing



Spannungsausgang



Stromausgang



Aderbelegung

rt	VSUP
bn	OUT
sw	GND
Schirm	

Serie MAB40A / Hall Effect Absolute Encoder

Electrical Data		Voltage Output		Current Output
Electrical Angle	[°]	360 (other angles on request)		
Independent Linearity Tolerance	[%]	± 0,3		
Resolution	[Steps]	4096 (12 Bit)		
Update rate	[ms]	Standard: 1,0 High Speed: 0,2		
Output Signal		0,5V ratiometric	0-10V	4-20mA
Supply Voltage	[VDC]	5 ± 10%	15-30	8-30
Supply Current (no load)	[mA]	< 20		
Signal load	[Ohm]	> 5k		< 500

Mechanical Data		
Maximum Rotational Speed	[rpm]	1000
Operational Torque	[Ncm]	typical 1
Operating Temperature	[°C]	-25 ... +85
Storage Temperature	[°C]	-40 ... +85
Bearing		2 precision ball bearings
Protection Class (shaft/housing)		IP67

Other Data	
Material Housing	Aluminium
Material Shaft	stainless steel
Mounting parts (pls. order separately, Part-No. 106399)	3 clamps SFN1 (M3 x 0,5)
Weigth	approx. 90 g

Serie MAB40A / Hall Effect Absolute Encoder

Order Description

Series	Resolution / Speed	Operating Voltage	Output Signal	Ordercode
MAB40A	12 Bit	5V	0 - 5V ratiometric	MAB40A 12 0505
		24V	0 - 10V	MAB40A 12 2410
	4 - 20mA		MAB40A 12 2442	
	12 Bit High Speed	5V	0 - 5V ratiometric	MAB40A 12HS 0505
			24V	0 - 10V
		4 - 20mA		MAB40A 12HS 2442

Further options and fittings on request.

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

On serial demand we offer:

Current interface (0-20mA), special angles and shafts, mounting of gear wheels and other mechanical parts, cable and connector assemblies.

Please ask us.

Please note

The specifications and information in this datasheet cannot consider all special demands that are caused by the application. Because of this, they are no general description of the properties of the product.

Please also consider our detailed specifications. (Available on request)

The lifetime has been tested under laboratory conditions.

10. November 2008. All specifications are subject to change without notice.