

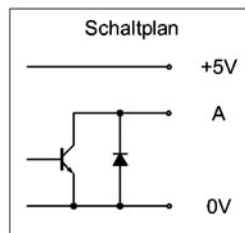
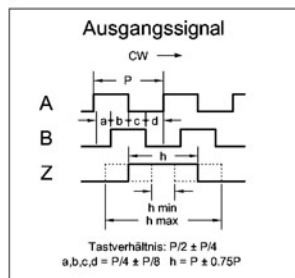
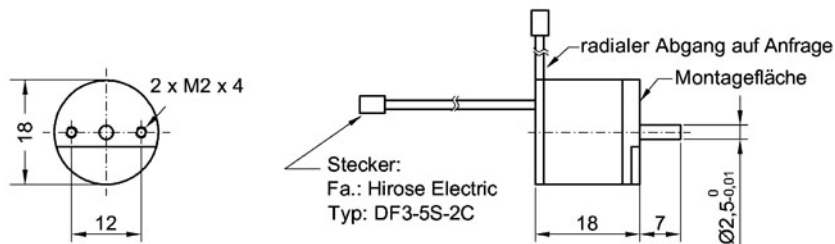
## Series MOM20 / Optoelectronic Encoder

- Housing  $\varnothing$  18 mm
- Up to 500 ppr
- 2 channels and index
- Operating voltage 5 V
- Preference types from stock

The MOM20 is featured by its high resolution of up to 500 pulses/turn and its compact housing. The converted connector enables a low-cost and flexible mounting.



## Drawing



**Pinbelegung**

1	rot	+5V
2	schwarz	0V
3	blau	A
4	weiß	B
5	gelb	Z

## Series MOM20 / Optoelectronic Encoder

### Electrical Data

Resolution	100 bis 500 ppr
Channels	A, B, Z
Frequency response	50 kHz
Supply voltage	4,5V - 5,5V / 10,8V - 13,2V
Power consumption	< 50 mA
Output voltage low	0,5 V
Max. output current	20 mA

### Mechanical Data

Maximum speed	6000 rpm
Maximum acceleration	$1 \cdot 10^4 \text{ rad/s}^2$
Moment of inertia	$1 \cdot 10^{-8} \text{ kgm}^2$
Starting torque	0,49

### Other Data

Protection class	IP50
Operating temperature	-10 .. +70° C
Storage temperature	-30 .. +80° C
Maximum shock	50g 11ms
Vibration	10..50 Hz / 1,5mm 2 h x, y, z
Humidity	85% RH
Bearing	ball bearing
Housing material	aluminium
Shaft material	stainless steel
Disc material	metal
Weight	20 g

## Series MOM20 / Optoelectronic Encoder

### Options and Order Descriptions

Description	Series	Options			
Type	MOM20				
Pulses/rev. 100, 200, 250, 256, 300, <b>360</b> , 500		100 ... 500			
Supply voltage: <b>5V</b> , 12V			5 12		
Channels A, B, + index				BZ	
Electronics: Open Collector (option)					K
Example Order code:	MOM	360	5	BZ	K

Preference types (bold) are available from stock.

### Our speciality are custom solutions for reasonable prices, even for small quantities

Examples: Mounting of gear wheels and other mechanical parts, assembling of cables, connectors and more.  
Please ask us.

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.  
23. November 2010. All specifications are subject to change without notice.