

# KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX M3661R, MAGNETIC, ANALOGUE, Ø36 MM

SERIE M3661R

- Housing diameter Ø36 mm
- Analogue output
- IP66, IP67, IP69K
- Stainless steel model



## Product description

Sendix M3661R is a magnetically encoded absolute encoder with the latest in multi-color technology with "Energy Harvesting". Energy Harvesting technology is based on magnetic recharging, eliminating both battery and gear.

In addition to multi-color technology, the M3661R has been equipped with extra strong ball bearings and secure attachments, also known as "Safety-Lockplus™".

A unique multifarve pulse sensor with high IP classifications: IP66, IP67 and IP69K, available in stainless steel (V4A).

Please refer to the image below for ordering information.

Order code		8.M3661R.XXXX.XX12	
Shaft version		Type	
<b>a</b> Version	<b>c</b> Output circuit <sup>3)</sup>	<b>d</b> Type of connection	<b>f</b> Measuring range
<b>1</b> = standard <sup>1)</sup>	<b>3</b> = current output	<b>2</b> = radial cable, 1 m [3.28'] PVC	<b>1</b> = 16 revolutions / cw
clamping flange ø 42 mm [1.65"]	<b>4</b> = voltage output	<b>B</b> = radial cable, special length PVC *)	<b>2</b> = 16 revolutions / ccw
<b>7</b> = stainless steel V4A <sup>2)</sup>		<b>4</b> = radial M12 connector, 5-pin	<b>3</b> = scalable up to 65,536 revolutions, with limit switch function
clamping flange ø 42 mm [1.65"]		*) Available special lengths (connection types B):	<b>4</b> = scalable up to 65,536 revolutions, without limit switch function
all metal parts accessible from outside are out of stainless steel V4A		2, 3, 5, 8, 10, 15 m [5.56, 9.84, 16.40, 26.25, 32.80, 49.21']	
		order code expansion .XXXX = length in dm	<i>Optional on request</i>
<b>b</b> Shaft (ø x L), with flat		ex.: 8.M3661R.133B.3112.0030 (for cable length 3 m)	- Ex 2/22 (only for connection type 4)
<b>1</b> = ø 6 x 12.5 mm [0.24 x 0.49"]	<b>e</b> Interface / resolution / power supply		- other shaft diameters out of V4A stainless steel
<b>3</b> = ø 8 x 15 mm [0.32 x 0.59"]	<b>3</b> = 4 ... 20 mA / 12 bit / 10 ... 30 V DC		
<b>5</b> = ø 10 x 20 mm [0.39 x 0.79"]	<b>4</b> = 0 ... 10 V / 12 bit / 15 ... 30 V DC		
<b>2</b> = ø 1/4" x 12.5 mm [0.49"]	<b>5</b> = 0 ... 5 V / 11 bit / 10 ... 30 V DC		
<b>E</b> = ø 10 x 20 mm [0.39 x 0.79"], stainless steel V4A			

## Specifications

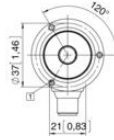
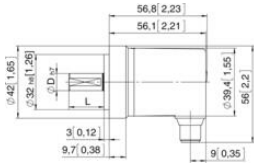
<b>Housing diameter</b>	36
<b>IP Class</b>	IP66, IP67, IP69K
<b>Resolution</b>	4-20 mA: 12 bit, 0-10 V: 12 bit, 0-5 V: 11 bit
<b>Shaft Diameter max</b>	10
<b>Shaft Diameter min</b>	6

Supply Voltage DC Max 30

Supply Voltage DC Min 10

Temperature range from -40

Temperature range to 85



Interface	Type of connector	Cable (Isolate unsold wires individually before initial start-up)
3 (current)	2.8	Signal: 0V -vV -+I SET 1 <sup>1)</sup> SET 2 <sup>2)</sup> Cable colour: WH BN GN CY PK
Interface	Type of connector	M12 connector, 5 pins
3 (current)	4	Signal: 0V -vV -+I SET 1 <sup>1)</sup> SET 2 <sup>2)</sup> Pin: 3 2 1 5 4
Interface	Type of connector	Cable (Isolate unsold wires individually before initial start-up)
4.5 (current)	2.8	Signal: 0V -vV -+I SET 1 <sup>1)</sup> SET 2 <sup>2)</sup> Cable colour: WH BN GN CY PK
Interface	Type of connector	M12 connector, 5 pins
4.5 (current)	4	Signal: 0V -vV -+I SET 1 <sup>1)</sup> SET 2 <sup>2)</sup> Pin: 3 2 1 5 4

Top view of mating side, male contact base



M12 connector, 5 pins

0V: encoder power supply +0V +I: voltage SET 1: set input for teachpoint 1  
 0V: encoder power supply ground (GND 0V) -+I: current SET 2: set input for teachpoint 2