

## KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX M3658 / M3678, MAGNET-CODED, CANOPEN, Ø36 MM SERIE M3678

- Housing diameter Ø36 mm
- CANOpen
- Safety-Lockplus™
- IP67/IP69K



### PRODUCT DESCRIPTION

Sendix M3658 / M3678 is a series of single-core magnet-encoded axial outputs with CANOpen interface and a resolution of up to 14 bits. Thanks to the contactless technology, the sensor is very compact and robust. As this technique allows for complete encapsulation of the sensor part on the sensor, a high enclosure class, shock resistance and a wide temperature range can be achieved. The sensor is therefore very suitable for applications where extreme environments or temperatures can occur, such as mobile applications. It comes with either M12 or PUR cable as standard. Sendix M3658 / M3678 is also available in a salt water resistant version.

Please refer to the images below for ordering information.

Order code shaft version	8.M3658	Type	2	X	C	X	21	1	X
			a	b	c	d	e	f	
<b>a</b> Flange									
2 = synchro flange, ø 36 mm [1.42"]									
<b>b</b> Shaft (ø x L), with flat									
3 = ø 6 x 12.5 mm [0.24 x 0.49"]									
6 = ø 8 x 12.5 mm [0.32 x 0.49"]									
5 = ø 1/4" x 12.5 mm [0.49"]									
<b>c</b> Interface / power supply									
C = CANopen DS301 V4.02 / 8 ... 30 V DC									
<b>d</b> Type of connection									
2 = radial cable, 1 m [3.28] PUR									
B = radial cable, special length PUR *)									
4 = radial M12 connector, 5-pin									
*) Available special lengths (connection types B):									
2, 3, 5, 8, 10, 15 m [6.56, 9.84, 16.40, 26.25, 32.80, 49.21']									
order code expansion .XXXX = length in dm									
ex.: 8.M3658.23CB.2111.0030 (for cable length 3 m)									
<b>e</b> Fieldbus profile									
21 = CANopen									
<b>f</b> Protection									
1 = IP67									
2 = IP69k									
Optional on request									
- Ex 2/22 (only for type of connection 4)									
- surface protection salt spray tested									



Order code hollow shaft	8.M3678	Type	X	X	C	X	21	1	X
			a	b	c	d	e	f	
<b>a</b> Flange									
2 = with spring element, long									
5 = with stator coupling, ø 46 mm [1.81"]									
<b>b</b> Blind hollow shaft									
(insertion depth max. 18 mm [0.71"])									
2 = ø 6 mm [0.24"]									
4 = ø 8 mm [0.32"]									
6 = ø 10 mm [0.39"]									
3 = ø 1/4"									
<b>c</b> Interface / power supply									
C = CANopen DS301 V4.02 / 8 ... 30 V DC									
<b>d</b> Type of connection									
2 = radial cable, 1 m [3.28] PUR									
B = radial cable, special length PUR *)									
4 = radial M12 connector, 5-pin									
*) Available special lengths (connection type B):									
2, 3, 5, 8, 10, 15 m [6.56, 9.84, 16.40, 26.25, 32.80, 49.21']									
order code expansion .XXXX = length in dm									
ex.: 8.M3678.52CB.2111.0030 (for cable length 3 m)									
<b>e</b> Fieldbus profile									
21 = CANopen									
<b>f</b> Protection									
1 = IP67									
2 = IP69k									
Optional on request									
- Ex 2/22 (only for type of connection 4)									
- surface protection salt spray tested									

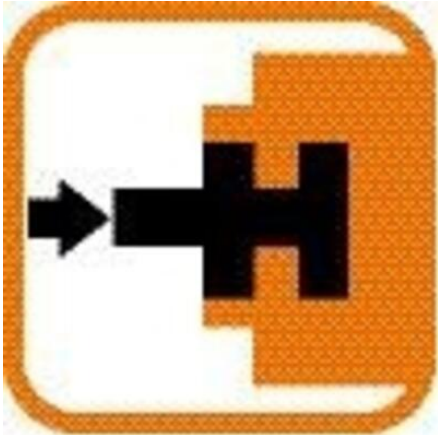
### TECHNICAL DATA

Connection

Cable, M12

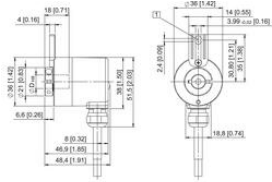
Housing diameter	36 mm
IP class	IP67, IP69K
Mounting	Hollow shaft
Output	CANopen
Sensor type	Absolute
Shaft diameter max	10 mm
Shaft diameter min	6 mm
Supply voltage dc max	30 V DC
Supply voltage dc min	8 V DC
Temperature operational max	85 °C
Temperature operational min	-40 °C
Version	Singleturn

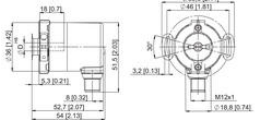


With torque stop set, ø 36 mm

□ Torque stop slot.  
Recommendation: Cylindrical pin DIN7, ø 4 mm




With stator coupling, ø 36 mm





Interface	Type of connector	Cable (insulate unsold wires individually before initial start-up)
C	2-B	Signal: +V -V CAN_GND CAN_H CAN_L Cable colour: BN WH GY GN YE

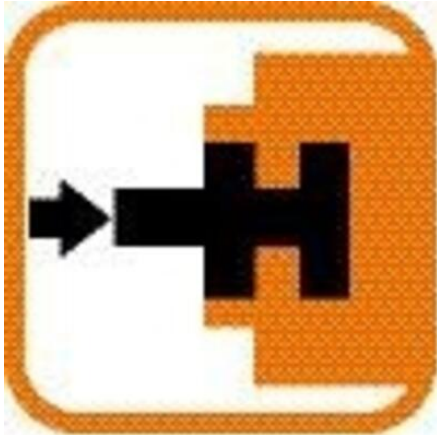
Top view of mating side, male contact base



M12 connector, 5-pin


Interface	Type of connector	M12 connector, 5-pin
C	4	Signal: +V -V CAN_GND CAN_H CAN_L Pin: 2 3 1 4 5



Interface	Type of connector	Cable (insulate unsold wires individually before initial start-up)
C	2-B	Signal: +V -V CAN_GND CAN_H CAN_L Cable colour: BN WH GY GN YE
Interface	Type of connector	M12 connector, 5-pin
C	4	Signal: +V -V CAN_GND CAN_H CAN_L Pin: 2 3 1 4 5

Top view of mating side, male contact base



M12 connector, 5-pin