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

SERIE M3658

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

Product description

Sendix M3658 / M3678 is a series of single-core magnet-encodered 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 . 2 X C X . 21 1 X
Type — a b c d — e — f

a Flange
2 = synchro flange, ø 36 mm [1.42"]

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"]

c Interface / power supply
C = CANopen DS301 V4.02 / 8 ... 30 V DC

d 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)

e Fieldbus profile
21 = CANopen

f Protection
1 = IP67
2 = IP69k

Optional on request
- Ex 2/22 (only for type of connection 4)
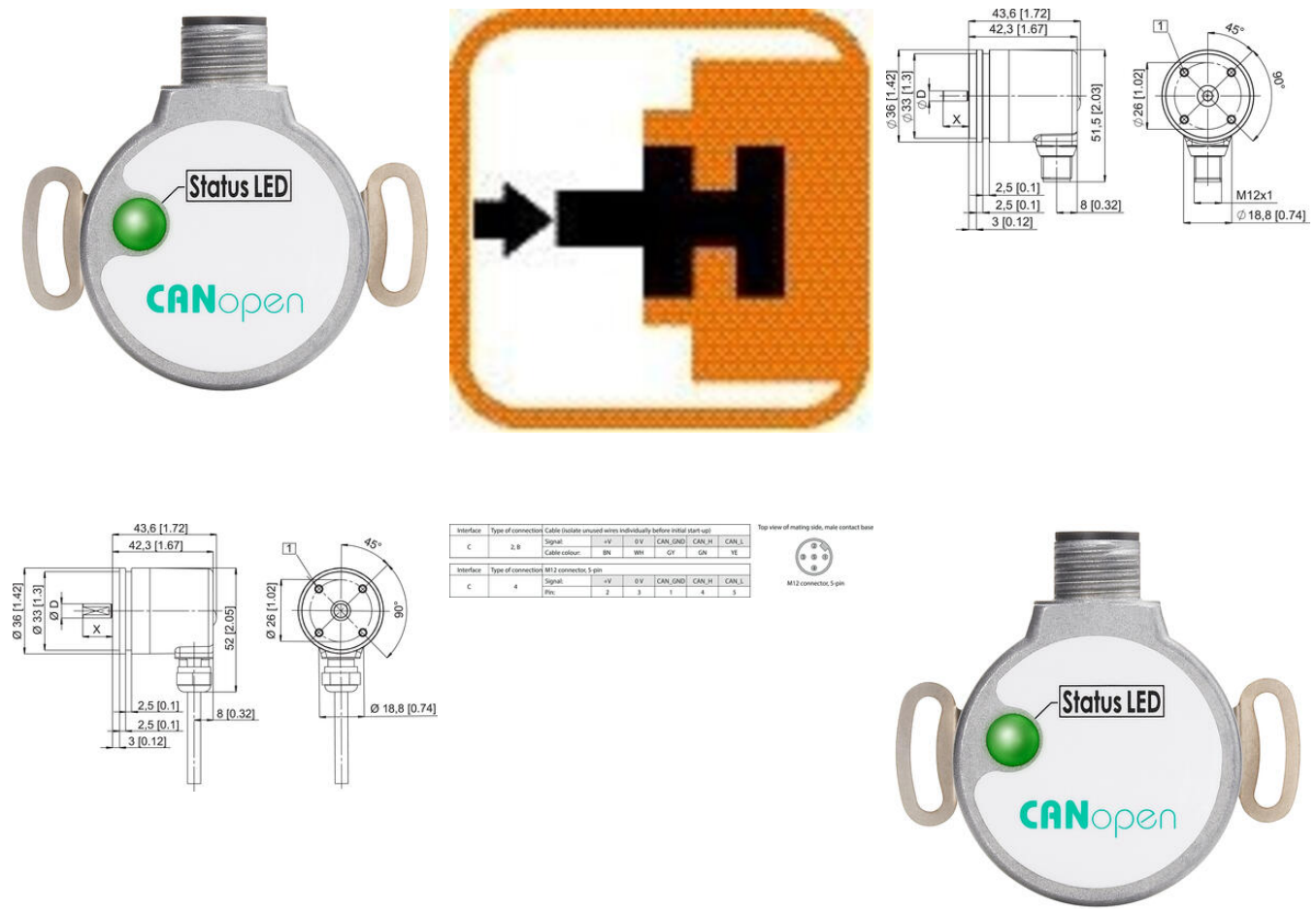- surface protection salt spray tested

Order code hollow shaft

8.M3678 . X X C X . 21 1 X
Type — a b c d — e — f

a Flange
2 = with spring element, long
5 = with stator coupling, ø 46 mm [1.81"]

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"

c Interface / power supply
C = CANopen DS301 V4.02 / 8 ... 30 V DC

d 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)

e Fieldbus profile
21 = CANopen

f Protection
1 = IP67
2 = IP69k

Optional on request
- Ex 2/22 (only for type of connection 4)
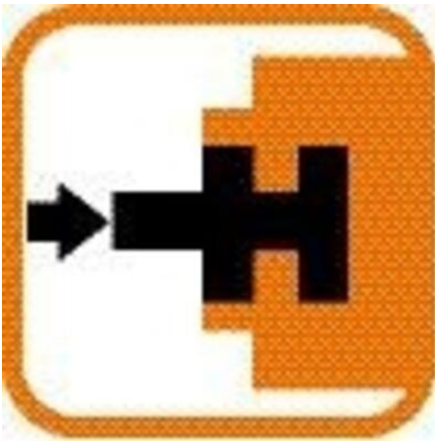- surface protection salt spray tested

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Specifications

Connection Thread	Cable, M12

Housing diametre	36
IP Class	IP67, IP69K
Mounting	Shoulder
Output	CANopen
Sensor type	Absolute
Shaft Diameter max	8
Shaft Diameter min	6
Supply Voltage DC Max	30
Supply Voltage DC Min	8
Temperature range from	-40
Temperature range to	85
Version	Singleturn

Interface	Type of connection	Cable (isolate unused wires individually before initial start up)				
		Signal:	+V	0 V	CAN_GND	CAN_H	CAN_L
C	2, B	Cable colour:	BN	WH	GY	GN	YE

Interface	Type of connection	M12 connector, 5-pin				
		Signal:	+V	0 V	CAN_GND	CAN_H	CAN_L
C	4	Pin:	2	3	1	4	5

Top view of mating side, male contact base

M12 connector, 5-pin

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