# KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX 5868/5888, OPTICAL, CANOPEN, Ø58 MM

SERIE 5868 CANOPEN

- Housing diameter Ø58 mm
- CANopen / CANopenLift
- High shock resistance
- High enclosure class

## Product description

Sendix 5868/5888 is a multivariate fieldbus transmitter with profibus in robust design. Thanks to the construction of Safety-Lock ™ as well as the fully cast housing, the sensor is able to handle even the more demanding applications where there are high demands on the sensor. The wide temperature range combined with the high enclosure class allows the sensor to be used outdoors as well as applications where large temperature changes occur. Sendix 5868/5888 has LED indication which facilitates diagnosis of the sensor and a set button that facilitates calibration.

Please refer to the image below for ordering information.



**Order code / Shaft version**  8.5868 . XXXX . XXXX
Type  a b c d  e f

**a Flange**
1 = clamping flange, IP65  ø 58 mm [2.28"]
3 = clamping flange, IP67  ø 58 mm [2.28"]
2 = synchro flange, IP65  ø 58 mm [2.28"]
4 = synchro flange, IP67  ø 58 mm [2.28"]
5 = square flange, IP65  □ 63.5 mm [2.5"]
7 = square flange, IP67  □ 63.5 mm [2.5"]

**b Shaft (ø x L), with flat**
1 = 6 x 10 mm [0.24 x 0.39"] [1]
2 = 10 x 20 mm [0.39 x 0.79"] [2]
3 = 1/4" x 7/8"
4 = 3/8" x 7/8"

**c Interface / power supply**
2 = CANopen DS301 V4.02, 10 ... 30 V DC
5 = CANopen DS301 V4.02, 10 ... 30 V DC
with 2048 ppr incremental track (TTL-compatible) [3]

**d Type of connection**
removable bus terminal cover
1 = radial cable gland
2 = 2 x or 3 x M12 connector, 5-pin
Fixed connection without bus terminal cover
A = radial cable, 2 m [6.56'] PVC
B = radial cable, special length PVC *)
E = 1 x radial M12 connector, 5-pin
F = 2 x radial M12 connector, 5-pin
I = 1 x radial M23 connector, 12-pin
J = 2 x radial M23 connector, 12-pin
K = 1 x Sub-D connector, 9-pin

*) Available special lengths (connection type B):
3, 5, 8, 10, 15 m [9.84, 16.40, 26.25, 32.80, 49.21']
order code expansion .XXXX = length in dm
ex.: 8.5868.112B.2123.0030 (for cable length 3 m)

*Optional on request*
- Ex 2/22 [4]
- surface protection salt spray tested
- seawater resistant (stainless steel V4A)

*Salt spray tested / stainless steel V4A as standard types (deliverable as from 1 unit)*

salt spray tested:
8.5868.3222.2122-C

V4A  stainless steel V4A:
1.4404  8.5868.3222.2122-V4A

**e Fieldbus profile**
212 = CANopen
221 = CANlift DS417 V1.01

**f Options (service)**
2 = no options
3 = SET button

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## Specifications

| | |
|---|---|
| **Connection Thread** | Cable, M12, M23 contact |
| **Housing diametre** | 58 |
| **IP Class** | IP65, IP67 |
| **Mounting** | Shoulder |
| **Output** | CANopen |
| **Resolution Envarv** | 16 bit (default: 13 bit) |
| **Resolution More Yards** | Max. 12 bit |
| **Resolution Overall** | 28 bit (default: 25 bit) |
| **Sensor type** | Absolute |
| **Shaft Diameter max** | 10 |
| **Shaft Diameter min** | 6 |
| **Supply Voltage DC Max** | 30 |
| **Supply Voltage DC Min** | 10 |
| **Temperature range from** | -40 |
| **Temperature range to** | 80 |
| **Version** | Multiturn |

| Interface | Type of connection | Cable gland (bus terminal cover with terminal box) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Bus OUT | | | | | Bus IN | | | |
| 2, 5 | 1 | Signal: | CAN_GND | CAN_L | CAN_H | 0 V (power supply) | +V (power supply) | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Abbreviation: | CG | CL | CH | 0 V | +V | 0 V | +V | CL | CH | CG |

| Interface | Type of connection | Cable (isolate unused wires individually before initial start-up) | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Bus IN | | | | |
| 2, 5 | A, B | Signal: | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Cable colour: | WH | BN | YE | GN | GY |

| Interface | Type of connection | 2 x M12 connector (3 x M12 connector with interface 5) | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Bus OUT | | | | |
| 2, F | | Signal: | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Pin: | 3 | 2 | 5 | 4 | 1 |
| | | | Bus IN | | | | |
| | | Signal: | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Pin: | 3 | 2 | 5 | 4 | 1 |



| Interface | Type of connection | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Incremental track | | | | |
| 5 | 2 | Signal: | A | Ā | B | B̄ | 0 V |
| | | Pin: | 1 | 2 | 3 | 4 | 5 |



| Interface | Type of connection | 1 x M12 connector | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Bus IN | | | | |
| 2, 5 | E | Signal: | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Pin: | 3 | 2 | 5 | 4 | 1 |



| Interface | Type of connection | 2 x M23 connector | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Bus OUT | | | | |
| 2, 5 | J | Signal: | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Pin: | 10 | 12 | 2 | 7 | 3 |
| | | | Bus IN | | | | |
| | | Signal: | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Pin: | 10 | 12 | 2 | 7 | 3 |
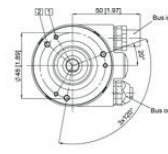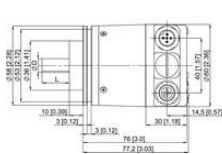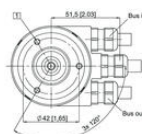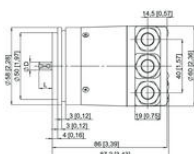


2 x

| Interface | Type of connection | 1 x M23 connector | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Bus IN | | | | |
| 2, 5 | i | Signal: | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Pin: | 10 | 12 | 2 | 7 | 3 |



| Interface | Type of connection | Sub-D connector | | | | | |
|---|---|---|---|---|---|---|---|
| | | | Bus IN | | | | |
| 2, 5 | K | Signal: | 0 V (power supply) | +V (power supply) | CAN_L | CAN_H | CAN_GND |
| | | Pin: | 6 | 9 | 2 | 7 | 3 |