



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

SERIE 5888 ETHERCAT

- Housing diameter Ø58 mm
- EtherCAT
- Safety-Lock™
- High enclosure class



Product description

Sendix 5868/5888 is a multifarious sensor with EtherCAT 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 both outdoors and in applications where large temperature changes occur

Please refer to the image below for ordering information.

| Order code | 8.5868 | .XXB2 | .B212 |
|---|--------|---|---|
| Shaft version | Type | a b c d e | |
| a Flange | | b Shaft (ø x L), with flat | c Interface / power supply |
| 1 = clamping flange, IP65 ø 58 mm [2.28"] | | 1 = 6 x 10 mm [0.24 x 0.39"] ¹⁾ | B = EtherCAT / 10 ... 30 V DC |
| 3 = clamping flange, IP67 ø 58 mm [2.28"] | | 2 = 10 x 20 mm [0.39 x 0.79"] ²⁾ | |
| 2 = synchro flange, IP65 ø 58 mm [2.28"] | | 3 = 1/4" x 7/8" | |
| 4 = synchro flange, IP67 ø 58 mm [2.28"] | | 4 = 3/8" x 7/8" | d Type of connection |
| 5 = square flange, IP65 □ 63.5 mm [2.5"] | | | removable bus terminal cover |
| 7 = square flange, IP67 □ 63.5 mm [2.5"] | | | 2 = 3 x M12 connector, 4-pin |
| | | | e Fieldbus profile |
| | | | B2= EtherCAT with CoE (CAN over EtherNet) |

Optional on request

- Ex 2/22

- surface protection
salt spray tested

| Order code | 8.5888 | .XXB2 | .B212 |
|--|--------|---|---|
| Hollow shaft | Type | a b c d e | |
| a Flange | | b Blind hollow shaft | c Interface / power supply |
| 1 = with spring element, long, IP65 | | (insertion depth max. 30 mm [1.18"]) | B = EtherCAT / 10 ... 30 V DC |
| 2 = with spring element, long, IP67 | | 3 = ø 10 mm [0.39"] | |
| 3 = with stator coupling, IP65 ø 65 mm [2.56"] | | 4 = ø 12 mm [0.47"] | d Type of connection |
| 4 = with stator coupling, IP67 ø 65 mm [2.56"] | | 5 = ø 14 mm [0.55"] | removable bus terminal cover |
| 5 = with stator coupling, IP65 ø 63 mm [2.48"] | | 6 = ø 15 mm [0.59"] | 2 = 3 x M12 connector, 4-pin |
| 6 = with stator coupling, IP67 ø 63 mm [2.48"] | | 8 = ø 3/8" | |
| | | 9 = ø 1/2" | e Fieldbus profile |
| | | | B2= EtherCAT with CoE (CAN over EtherNet) |

Optional on request

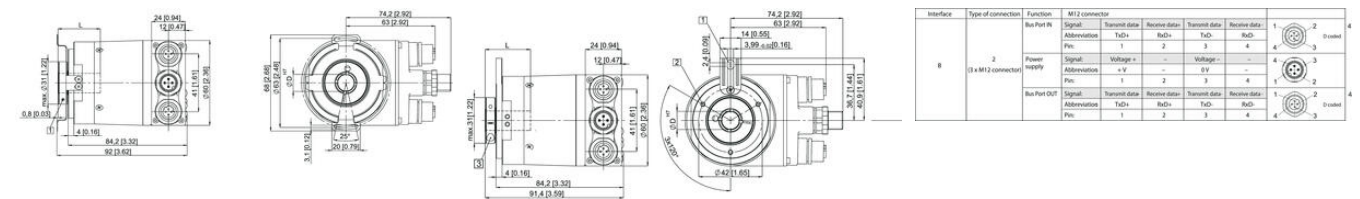
- Ex 2/22

- surface protection
salt spray tested

Specifications

| | |
|-------------------|------------|
| Connection Thread | M12 |
| Housing diameter | 58 |
| IP Class | IP65, IP67 |

| | |
|------------------------|--------------------------|
| Mounting | Hollow shaft |
| Output | EtherCAT |
| 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 | 15 |
| Shaft Diameter min | 10 |
| Supply Voltage DC Max | 30 |
| Supply Voltage DC Min | 10 |
| Temperature range from | -40 |
| Temperature range to | 80 |
| Version | Multiturn |



| Interface | Type of connection | Function | M12 connector | | | | | | | |
|-----------|--------------------------|--------------|---------------|---------------|--------------|---------------|--------------|---|---|---------|
| B | 2 (3 x M12 connector) | Bus Port IN | Signal: | Transmit data | Receive data | Transmit data | Receive data | 1 | 2 | 0 coded |
| | | | Addressation | TxD+ | RxD+ | TxD- | RxD- | 3 | 4 | |
| | | | Pin: | 1 | 2 | 3 | 4 | 4 | 3 | |
| | | | Signal: | Voltage + | - | Voltage - | - | 1 | 2 | |
| | | Power supply | Addressation | +V | - | 0V | - | 4 | 3 | 0 coded |
| | | | Pin: | 1 | 2 | 3 | 4 | 1 | 2 | |
| | | | Signal: | Transmit data | Receive data | Transmit data | Receive data | 1 | 2 | |
| | | | Addressation | TxD+ | RxD+ | TxD- | RxD- | 4 | 3 | |
| | | Bus Port OUT | Signal: | Transmit data | Receive data | Transmit data | Receive data | 1 | 2 | 0 coded |
| | | | Addressation | TxD+ | RxD+ | TxD- | RxD- | 4 | 3 | |
| | | | Pin: | 1 | 2 | 3 | 4 | 4 | 3 | |
| | | | Signal: | Voltage + | - | Voltage - | - | 1 | 2 | |