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# KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX F5868 / F5888, OPTICAL, MODBUS, Ø58 MM

SERIE F5868 MODBUS



- Housing diameter Ø58 mm
- Modbus - Interface
- 16 + 16 bit resolution
- -40 to +85 ° C working temperature

## PRODUCT DESCRIPTION

Sendix F5868 / F5888 is a series of multivalved optical axes and hole axes with Modbus interface and a resolution of up to 32 bits (16 bit multi-color + 16-bit one-turn).
The sensor also has high enclosure class, shock resistance and a wide temperature range. The F5868 / F5888 is therefore very suitable for applications where extreme environments or temperatures may occur, such as mobile applications.

Please refer to the image below for ordering information.

**Order code Shaft version** — 8.F5868 . X X 6 E . 61 1 2 (Type; a b c d; e)

**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"]

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

**c** *Interface / power supply*
6 = Modbus RTU, 10 ... 30 V DC

**d** *Type of connection*
E = 1 x radial M12 connector, 5-pin

**e** *Fieldbus profile*
61 = Modbus RTU Application Protocol V1.1b3

*Optional on request*
- Ex 2/22
- surface protection salt spray tested

**Order code Hollow shaft** — 8.F5888 . X X 6 E . 61 1 2 (Type; a b c d; e)

**a** *Flange*
1 = with spring element, long, IP65
2 = with spring element, long, IP67
3 = with stator coupling, IP65 ø 65 mm [2.56"]
4 = with stator coupling, IP67 ø 65 mm [2.56"]
5 = with stator coupling, IP65 ø 63 mm [2.48"]
6 = with stator coupling, IP67 ø 63 mm [2.48"]

**b** *Through hollow shaft*
3 = ø 10 mm [0.39"]
4 = ø 12 mm [0.47"]
5 = ø 14 mm [0.55"]
6 = ø 15 mm [0.59"]

**c** *Interface / power supply*
6 = Modbus RTU, 10 ... 30 V DC

**d** *Type of connection*
E = 1 x radial M12 connector, 5-pin

**e** *Fieldbus profile*
61 = Modbus RTU Application Protocol V1.1b3

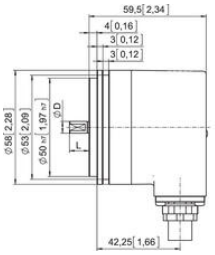
*Optional on request*
- Ex 2/22
- surface protection salt spray tested

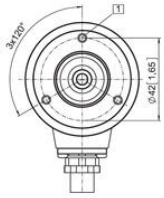
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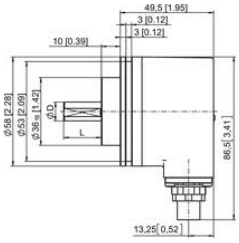
# TECHNICAL DATA

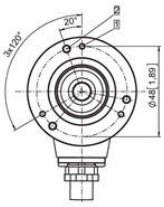
| | |
|---|---|
| **Connection** | M12 |

| | |
|---|---|
| **Housing diameter** | 58 mm |
| **IP class** | IP65, IP67 |
| **Mounting** | Shoulder |
| **Output** | Modbus |
| **Resolution MT** | 16 bit |
| **Resolution ST** | 16 bit |
| **Sensor type** | Absolute |
| **Shaft diameter max** | 10 mm |
| **Shaft diameter min** | 6 mm |
| **Supply voltage dc max** | 30 V DC |
| **Supply voltage dc min** | 10 V DC |
| **Temperature operational max** | 85 °C |
| **Temperature operational min** | -40 °C |
| **Version** | Multiturn |




| Interface | Type of connection | 1 x M12 connector | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 6 | E<br>Bus in | Signal: | 0 V<br>power supply | +V<br>power supply | D0 | D1 | TG | 2 1 3 4 5 |
| | | Pin: | 3 | 2 | 5 | 4 | 1 | |