

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

- Housing diameter Ø58 mm
- CANopen - 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 CANopen interface and resolution of up to 32 bits (16 bit multi-color + 16-bit one-turn).

The sensor also has high enclosure, 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		8.F5868 . X X 2 X . 21 2 X											
Shaft version		Type	a	b	c	d	e	f					
<b>a</b> Flange	1 = clamping flange, IP65 ø 58 mm [2.28"]	<b>c</b> Interface / power supply	<b>d</b> Type of connection	<b>e</b> Fieldbus profile	<b>f</b> Options (service)								
	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>b</b> Shaft (ø x L), with flat	1 = 6 x 10 mm [0.24 x 0.39"] <sup>1)</sup>	2 = CANopen DS301 V4.02 / 10 ... 30 V DC	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	21 = CANopen	2 = no option 3 = SET button								
	2 = 10 x 20 mm [0.39 x 0.79"] <sup>2)</sup>												
	3 = 1/4" x 7/8"												
	4 = 3/8" x 7/8"												
		*) 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.F5868.122B.2123.0030 (for cable length 3 m)											
		Optional on request - Ex 2/22 <sup>3)</sup> - surface protection salt spray tested											

**Order code**  
**Hollow shaft**

**8.F5888**  
Type

**. XX2X . 212X**  

**a** **b** **c** **d** **e** **f**

**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"]  
*Blind hollow shaft*  
*(insertion depth max. 30 mm [1.18"])*  
B = ø 12 mm <sup>1)</sup>

**c Interface / power supply**  
**2 = CANopen DS301 V4.02 / 10 ... 30 V DC**

**d Type of connection**  
L = tangential cable, 2 m [6.56"] PVC  
M = tangential cable, special length PVC \*)  
**E = 1 x radial M12 connector, 5-pin**  
F = 2 x radial M12 connector, 5-pin <sup>2)</sup>  
  
\*) Available special lengths (connection type M):  
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.F5888.542M.2123.0030 (for cable length 3 m)

**e Fieldbus profile**  
**21 = CANopen**

**f Options (service)**  
2 = no option  
**3 = SET button**  
  
*Optional on request*  
- Ex 2/22 <sup>3)</sup> (not for type of connection L, M)  
- surface protection salt spray tested

# TECHNICAL DATA

Connection	Cable, M12
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Shoulder
Output	CANopen
Resolution MT	16 bit
Resolution ST	Max: 16 bit, default: 13 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

