

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

SERIE 5868 PROFIBUS

- Housing diameter Ø58 mm
- Profibus
- High shock resistance
- High enclosure class



## Product description

Sendix 5868/5888 is a multivariate fieldbus sensor 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 images below for ordering information.

Order code	8.5868 . XX3X . 311X						
Shaft version	Type	a	b	c	d	e	f
<b>a</b> 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>b</b> Shaft (ø x L), with flat							
1 = 6 x 10 mm [0.24 x 0.39"] <sup>1)</sup>							
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"							
<b>c</b> Interface / power supply							
3 = PROFIBUS DP V0 encoder profile V 1.1, 10 ... 30 V DC							
<b>d</b> Type of connection, removable bus terminal cover							
1 = with radial cable gland fitting							
2 = with 3 x radial M12 connectors							
<b>e</b> Fieldbus profile							
31 = PROFIBUS DP V0 encoder profile class 2							
<b>f</b> Options (service)							
2 = no option							
3 = SET button							
Optional on request							
- Ex 2/22							
- 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: 8.5868.3232.3112-C				stainless steel V4A: 8.5868.3232.3112-V4A		
				1.4404			

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

**8.5888**  
Type

**. X X 3 X . 31 1 X**  
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 Blind hollow shaft**

- (insertion depth max. 30 mm [1.18"])
- 3 = ø 10 mm [0.39"]
  - 4 = ø 12 mm [0.47"]**
  - 5 = ø 14 mm [0.55"]
  - 6 = ø 15 mm [0.59"]
  - 8 = ø 3/8"
  - 9 = ø 1/2"

**c Interface / power supply**

**3 = PROFIBUS DP V0 encoder profile V 1.1, 10 ... 30 V DC**

**d Type of connection, removable bus terminal cover**

- 1 = with radial cable gland fitting
- 2 = with 3 x radial M12 connectors**

**e Fieldbus profile**

**31 = PROFIBUS DP V0 encoder profile class 2**

**f Options (service)**

- 2 = no option
- 3 = SET button**

*Optional on request*

- Ex 2/22
- surface protection salt spray tested
- seawater resistant (stainless steel V4A)

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



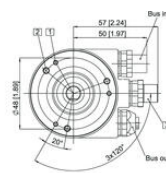
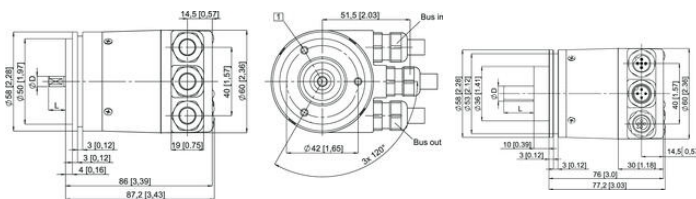
salt spray tested:  
8.5888.2432.3112-C  
8.5888.2532.3112-C



stainless steel V4A:  
8.5888.2432.3112-V4A

**Specifications**

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



Interface	Type of connection	Function	BUS IN					BUS OUT							
3	1 (terminal box)	Signal	B	A	0V	+V	0V	+V	B	A					The shield of the connection cable must be connected to the large pin in the cable gland.
		Terminal	1	2	3	4	5	6	7	8					
3	2 (3 x M12 connector)	Power supply													
		Pin													
		Signal	+V	-	0V										
		Pin	1	2	3	4									
	Bus out	Signal	B2, 0V	PA	0V	0V	PA	0V	PA	0V	Shield				
		Pin	1	2	3	4	5								

Interface	Type of connection (terminal box)	BUS IN				BUS OUT				The shield of the connection cable must be connected with a single wire to the outer ground.				
		Signal	B	A	0V	+V	0V	+V	B		A			
3	1	Terminal	1	2	3	4	5	6	7	8				
Interface	Type of connection	Function												
		Signal	Pin	1	2	3	4	5	Shield	1	2	3	4	
3	2 (3 x M12 connector)	Bus in	Signal	Pin	1	2	3	4	5	Shield	1	2	3	4
		Power supply	Signal	Pin	1	2	3	4	5	Shield	1	2	3	4
		Bus out	Signal	Pin	1	2	3	4	5	Shield	1	2	3	4