

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

SERIE 5888 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

Shaft version

8.5868

Type

X

a

X

b

3

c

X

d

31

e

1

f

X

i

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

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:

8.5868.3232.3112-C



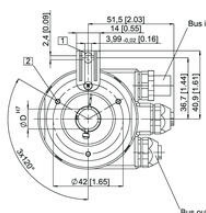
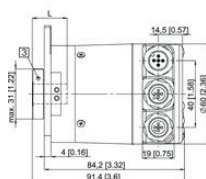
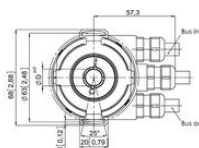
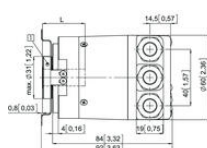
stainless steel V4A:

8.5868.3232.3112-V4A

Order code Hollow shaft	8.5888 Type	X a	X b	3 c	X d	31 e	1 f	X 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"]	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							




TECHNICAL DATA

Connection	Cable, M12
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Hollow shaft
Output	Profibus
Resolution MT	12 bit
Resolution overall	Max. 28 bit (default 25 bit)
Resolution ST	16 bit (default: 13 bit)
Sensor type	Absolute
Shaft diameter max	15 mm
Shaft diameter min	10 mm
Supply voltage dc max	30 V DC
Supply voltage dc min	10 V DC
Temperature operational max	80 °C
Temperature operational min	-40 °C
Version	Multiturn



Interface	Type of connection	BUS IN								BUS OUT							
		Signal	B	A	V	+V	-V	0V	A	Signal	B	A	V	+V	-V	0V	A
1		(terminal board)	1	2	3	4	5	6	7	8							
3	2 (3 x M12 connector)	Bus in	Signal	-	PB	3	-	PB	8	Shield							
		Power supply	Pin	+V	-	EV	-	-	-	-							
		Pin	1	2	3	4	-	-	-	-							
		Bus out	Signal	B	0V	PB	0V	B	0V	PB	8	Shield					
			Pin	1	2	3	4	5	6	7							

The shield of the connection cables must be connected to a large ground via the cable gland.



Interface	Type of connection	BUS IN					BUS OUT					The shield of the connection cable must be connected once a single wire to the cabin ground.	
3	1 (terminal block)	Signal	B	A	0V	+V	0V	+V	B	A			
		Shield	1	2	3	4	5	6	7				
Interface	Type of connection	Function											
3	2 (3 x M12 connector)	Bus in	Signal	—	PS.A	—	PS.B	Shield					
			Pins	1	2	3	4	5					
		Power supply	Signal	+V	—	0V	—						
			Pins	1	2	3	4						
		Bus out	Signal	BUS.VCC	PS.A	BUS.GND	PS.B	Shield					
			Pins	1	2	3	4	5					