

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
a Flange		1 = clamping flange, IP65 ø 58 mm [2.28"]		c Interface / power supply		3 = PROFIBUS DP V0 encoder profile V 1.1, 10 ... 30 V DC	
		3 = clamping flange, IP67 ø 58 mm [2.28"]					e Fieldbus profile
		2 = synchro flange, IP65 ø 58 mm [2.28"]		d Type of connection, removable bus terminal cover		1 = with radial cable gland fitting	31 = PROFIBUS DP V0 encoder profile class 2
		4 = synchro flange, IP67 ø 58 mm [2.28"]		2 = with 3 x radial M12 connectors			f Options (service)
		5 = square flange, IP65 □ 63.5 mm [2.5"]					2 = no option
		7 = square flange, IP67 □ 63.5 mm [2.5"]					3 = SET button
b Shaft (ø x L), with flat				<i>Optional on request</i>			
		1 = 6 x 10 mm [0.24 x 0.39"] ¹⁾		- Ex 2/22			
		2 = 10 x 20 mm [0.39 x 0.79"] ²⁾		- surface protection salt spray tested			
		3 = 1/4" x 7/8"		- seawater resistant (stainless steel V4A)			
		4 = 3/8" x 7/8"					
				<i>Salt spray tested / stainless steel V4A as standard types (deliverable as from 1 unit)</i>			
				 salt spray tested: 8.5868.3232.3112-C		 V4A 1.4404	
						stainless steel V4A: 8.5868.3232.3112-V4A	

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)



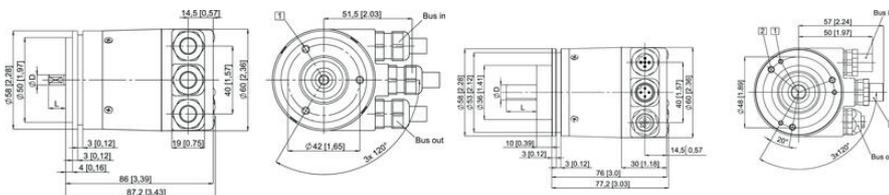
salt spray tested:
8.5888.2432.3112-C
8.5888.2532.3112-C



stainless steel V4A:
8.5888.2432.3112-V4A

SPECIFICATIONS

Housing diameter	58
IP Class	IP65, IP67
Resolution Envarv	16 bit (default: 13 bit)
Resolution More Yards	12 bit
Resolution Overall	Max. 28 bit (default 25 bit)
Shaft Diameter max	10
Shaft Diameter min	6
Supply Voltage DC Max	30
Supply Voltage DC Min	10
Temperature range from	-40
Temperature range to	80



Interface	Type of connection	Function	BUS IN	BUS OUT	The shield of the connection cable must be connected over a large area in the cable gland.
3	1 (terminal block)	Bus in	Signal: B A 0V +V 0V +V B A	Signal: 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
		Power supply	Signal: +V - 0V -	Pin: 1 2 3 4	2 3 4
3	2 (3 x M12 connector)	Bus in	Signal: - PB A - - PB B Shield	Pin: 1 2 3 4 5	1 2 3 4 5
		Bus out	Signal: 0V, 0V PB A 0V, 0V PB B Shield	Pin: 1 2 3 4 5	1 2 3 4 5

Interface	Type of connection	Function	BUS IN	BUS OUT	The shield of the connection cable must be connected over a large area in the cable gland.
3	2 (3 x M12 connector)	Bus in	Signal: - PB A - - PB B Shield	Pin: 1 2 3 4 5	1 2 3 4 5
		Power supply	Signal: +V - 0V -	Pin: 1 2 3 4	2 3 4
3	2 (3 x M12 connector)	Bus out	Signal: 0V, 0V PB A 0V, 0V PB B Shield	Pin: 1 2 3 4 5	1 2 3 4 5
		Bus out	Signal: 0V, 0V PB A 0V, 0V PB B Shield	Pin: 1 2 3 4 5	1 2 3 4 5