OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

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 . X X 3 X . 31 1 X
Shaft version Type (a) (b) (c) (d) (e) (f)

(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
V4A 1.4404 stainless steel V4A: 8.5868.3232.3112-V4A

Order code Hollow shaft 8.5888 . X X 3 X . 31 1 X (Type; 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)

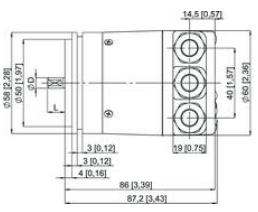
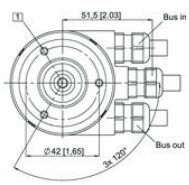
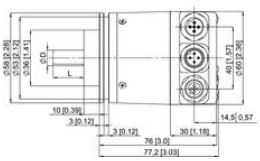
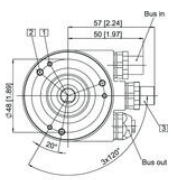
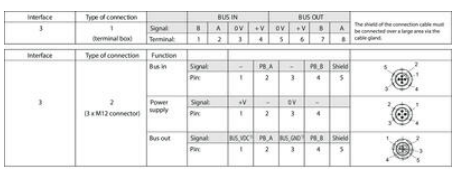
Salt spray tested / stainless steel V4A as standard types (deliverable as from 1 unit)
salt spray tested:
8.5888.2432.3112-C
8.5888.2532.3112-C

V4A 1.4404 stainless steel V4A:
8.5888.2432.3112-V4A

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TECHNICAL DATA

Connection	Cable, M12
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Shoulder
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	10 mm
Shaft diameter min	6 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				
3	1 (terminal box)	Signal:	B	A	0 V	+ V	0 V	+ V	B	A	The shield of the connection cable must be connected over a large area via the cable gland.
		Terminal:	1	2	3	4	5	6	7	8	

Interface	Type of connection	Function							
3	2 (3 x M12 connector)	Bus in	Signal:	–	PB_A	–	PB_B	Shield	
			Pin:	1	2	3	4	5	
		Power supply	Signal:	+V	–	0 V	–		
			Pin:	1	2	3	4		
		Bus out	Signal:	BUS_VDC[1]	PB_A	BUS_GND[1]	PB_B	Shield	
			Pin:	1	2	3	4	5	