

KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX 5868/5888, OPTICAL, CANOPEN, Ø58 MM SERIE 5868 CANOPEN



- Housing diameter Ø58 mm
- CANopen / CANopenLift
- High shock resistance
- High enclosure class



PRODUCT DESCRIPTION

Sendix 5868/5888 is a multivariate fieldbus transmitter 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 image below for ordering information.

Order code	8.5868 . XXXXX . XXXX					
Shaft version	Type	a	b	c	d	e
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						
2 = CANopen DS301 V4.02, 10 ... 30 V DC						
5 = CANopen DS301 V4.02, 10 ... 30 V DC						
with 2048 ppr incremental track (TTL-compatible) ³⁾						
d Type of connection						
removable bus terminal cover						
1 = radial cable gland						
2 = 2 x or 3 x M12 connector, 5-pin						
Fixed connection without bus terminal cover						
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						
I = 1 x radial M23 connector, 12-pin						
J = 2 x radial M23 connector, 12-pin						
K = 1 x Sub-D connector, 9-pin						
*) 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.: 8.5868.112B.2123.0030 (for cable length 3 m)						
e Fieldbus profile						
212 = CANopen						
221 = CANlift DS417 V1.01						
f Options (service)						
2 = no options						
3 = SET button						
Optional on request						
- Ex 2/22 ⁴⁾						
- 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:						
8.5868.3222.2122-C						
 V4A						
1.4404						
stainless steel V4A:						
8.5868.3222.2122-V4A						

Order code
Hollow shaft

8.5888
Type

. **X** **X** **X** **X** . **X** **X** **X** **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

- 2 = CANopen DS301 V4.02, 10 ... 30 V DC**
- 5 = CANopen DS301 V4.02, 10 ... 30 V DC**
with 2048 ppr incremental track (TTL-compatible) ¹⁾

d Type of connection

- removable bus terminal cover
- 1 = radial cable gland
 - 2 = 2 x or 3 x M12 connector, 5-pin**
Fixed connection without bus terminal cover
 - 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
 - I = 1 x radial M23 connector, 12-pin
 - J = 2 x radial M23 connector, 12-pin
 - K = 1 x Sub-D connector, 9-pin


*) 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.: 8.5888.542B.2123.0030 (for cable length 3 m)

Optional on request

- Ex 2/22 ²⁾
- 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:
8.5888.2422.2122-C
8.5888.2522.2122-C

 **V4A**
1.4404
stainless steel V4A:
8.5888.2422.2122-V4A

e Fieldbus profile

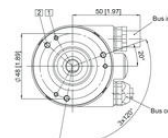
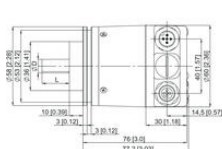
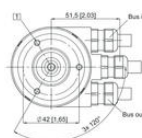
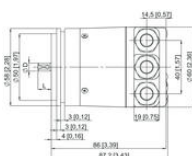
- 212 = CANopen**
- 221 = CANlift DS417 V1.01

f Options (service)

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

TECHNICAL DATA

Connection	Cable, M12, M23 contact
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Shoulder
Output	CANopen
Resolution MT	Max. 12 bit
Resolution overall	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 connector	Cable gland (bus terminal cover with terminal lead)	Bus OUT	Bus IN
2.5	1	Signal	CAN_GND CAN_L CAN_H EV EV EV EV CAN_L CAN_H CAN_GND power supply power supply power supply power supply	
		Abbreviations	CG CL CH EV EV EV EV	CL CH CG
2.5	A, B	Cable (cables unshield wires individually before initial start up)	Bus IN	
		Signal	EV EV CAN_L CAN_H CAN_GND power supply power supply	
		Cable colour	WH WH VE GR GR	
2.5	3, 4	2 x M12 connector (3 x M12 connector with interface 5)	Bus OUT	
			Signal	EV EV CAN_L CAN_H CAN_GND power supply power supply
		Pin	1 2 3 4 5	2 3 4 5
		Pin	1 2 3 4 5	1 2 3 4 5
		Signal	EV EV CAN_L CAN_H CAN_GND power supply power supply	
		Pin	1 2 3 4 5	1 2 3 4 5
5	2	Incremental track	Signal	A B B B EV EV power supply power supply
			Pin	1 2 3 4 5
2.5	E	1 x M12 connector	Bus IN	
			Signal	EV EV CAN_L CAN_H CAN_GND power supply power supply
		Pin	1 2 3 4 5	1 2 3 4 5
2.5	7	2 x M12 connector	Bus OUT	
			Signal	EV EV CAN_L CAN_H CAN_GND power supply power supply
		Pin	10 12 2 7 3	2 7 3
		Signal	EV EV CAN_L CAN_H CAN_GND power supply power supply	
		Pin	10 12 2 7 3	2 7 3
				Pin
2.5	8	1 x M12 connector	Bus IN	
			Signal	EV EV CAN_L CAN_H CAN_GND power supply power supply
		Pin	10 12 2 7 3	2 7 3
2.5	K	Sub-D connector	Bus IN	
			Signal	EV EV CAN_L CAN_H CAN_GND power supply power supply
		Pin	0 0 2 2 2 2	2 2 2 2