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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 . X X X X . X X X 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
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)

Optional on request
- Ex 2/22 4)
- surface protection salt spray tested
- seawater resistant (stainless steel V4A)

(e) Fieldbus profile
212 = CANopen
221 = CANlift DS417 V1.01

(f) Options (service)
2 = no options
3 = SET button

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 . X X X X . X X X 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*
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)

e *Fieldbus profile*
212 = CANopen
221 = CANlift DS417 V1.01

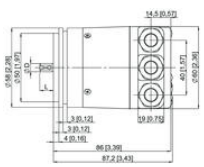
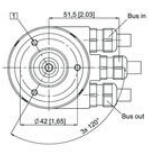
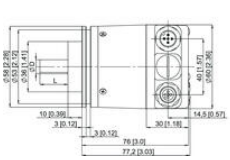
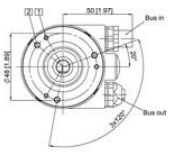
f *Options (service)*
2 = no options
3 = SET button

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

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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 connection	Cable gland (bus terminal cover with terminal box)											
			Bus OUT					Bus IN					
2.5	1	Signal:	CAN_GND	CAN_L	CAN_H	0 V power supply	+V power supply	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND
		Abbreviation:	CG	CL	CH	0 V	+V	0 V	+V	CL	CH	CG

Interface	Type of connection	Cable (isolate unused wires individually before initial start-up)					
			Bus IN				
2.5	A, B	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND
		Cable colour:	WH	BN	YE	GN	GY

Interface	Type of connection	2 x M12 connector (3 x M12 connector with interface 5)						
			Bus OUT					
2.5	2, F	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
		Pin:	3	2	5	4	1	
			Bus IN					
		Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
		Pin:	3	2	5	4	1	
5	2		Incremental track					
		Signal:	A	$\overline{A}$	B	$\overline{B}$	0 V	
		Pin:	1	2	3	4	5	

Interface	Type of connection	1 x M12 connector						
			Bus IN					
2.5	E	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
		Pin:	3	2	5	4	1	

Interface	Type of connection	2 x M23 connector						
			Bus OUT					
2.5	J	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
		Pin:	10	12	2	7	3	
			Bus IN					
		Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
		Pin:	10	12	2	7	3	

Interface	Type of connection	1 x M23 connector						
			Bus IN					
2.5	I	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
		Pin:	10	12	2	7	3	

Interface	Type of connection	Sub-D connector						
			Bus IN					
2.5	K	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
		Pin:	6	9	2	7	3	