

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

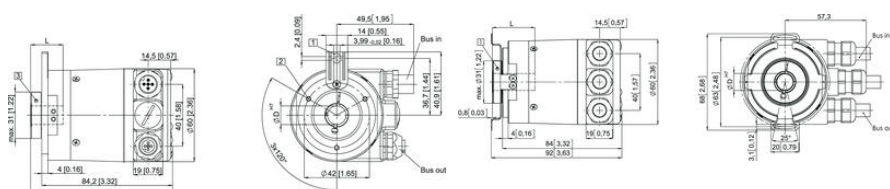
Please refer to the image below for ordering information.

Order code		8.5868 . XXXX . XXXX	
Shaft version		Type	
a Flange	d Type of connection	e Fieldbus profile	f Options (service)
1 = clamping flange, IP65 ø 58 mm [2.28"]	removable bus terminal cover	212 = CANopen	2 = no options
3 = clamping flange, IP67 ø 58 mm [2.28"]	1 = radial cable gland	221 = CANlift DS417 V1.01	3 = SET button
2 = synchro flange, IP65 ø 58 mm [2.28"]	2 = 2 x or 3 x M12 connector, 5-pin		
4 = synchro flange, IP67 ø 58 mm [2.28"]	Fixed connection without bus terminal cover		
5 = square flange, IP65 □ 63.5 mm [2.5"]	A = radial cable, 2 m [6.56'] PVC		
7 = square flange, IP67 □ 63.5 mm [2.5"]	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		
b Shaft (ø x L), with flat	*) Available special lengths (connection type B):		
1 = 6 x 10 mm [0.24 x 0.39"] ¹⁾	3, 5, 8, 10, 15 m [9.84, 16.40, 26.25, 32.80, 49.21']		
2 = 10 x 20 mm [0.39 x 0.79"] ²⁾	order code expansion .XXXX = length in dm		
3 = 1/4" x 7/8"	ex.: 8.5868.112B.2123.0030 (for cable length 3 m)		
4 = 3/8" x 7/8"			
c Interface / power supply	Optional on request		
2 = CANopen DS301 V4.02, 10 ... 30 V DC	- Ex 2/22 ⁴⁾		
5 = CANopen DS301 V4.02, 10 ... 30 V DC	- surface protection salt spray tested		
with 2048 ppr incremental track (TTL-compatible) ³⁾	- 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	 stainless steel V4A: 8.5868.3222.2122-V4A	

Order code		8.5888		.XXXXX		.XXXX	
Hollow shaft		Type		a	b	c	d
a	Flange			d	Type of connection		
1	= with spring element, long, IP65			removable bus terminal cover			
2	= with spring element, long, IP67			1	= radial cable gland		
3	= with stator coupling, IP65 ø 65 mm [2.56"]			2 = 2 x or 3 x M12 connector, 5-pin			
4	= with stator coupling, IP67 ø 65 mm [2.56"]			Fixed connection without bus terminal cover			
5	= with stator coupling, IP65 ø 63 mm [2.48"]			A	= radial cable, 2 m [6.56'] PVC		
6	= with stator coupling, IP67 ø 63 mm [2.48"]			B	= radial cable, special length PVC *)		
b	Blind hollow shaft			E	= 1 x radial M12 connector, 5-pin		
(insertion depth max. 30 mm [1.18"])				F	= 2 x radial M12 connector, 5-pin		
3	= ø 10 mm [0.39"]			I	= 1 x radial M23 connector, 12-pin		
4	= ø 12 mm [0.47"]			J	= 2 x radial M23 connector, 12-pin		
5	= ø 14 mm [0.55"]			K	= 1 x Sub-D connector, 9-pin		
6	= ø 15 mm [0.59"]			*) Available special lengths (connection type B):			
8	= ø 3/8"			3, 5, 8, 10, 15 m [9.84, 16.40, 26.25, 32.80, 49.21']			
9	= ø 1/2"			order code expansion .XXXX = length in dm			
				ex.: 8.5888.542B.2123.0030 (for cable length 3 m)			
c	Interface / power supply			Optional on request			
2	= CANopen DS301 V4.02, 10 ... 30 V DC			- Ex 2/22 2)			
5	= CANopen DS301 V4.02, 10 ... 30 V DC			- surface protection salt spray tested			
with 2048 ppr incremental track (TTL-compatible) 1)				- seawater resistant (stainless steel V4A)			
				Salt spray tested / stainless steel V4A as standard types (deliverable as from 1 unit)			
				salt spray tested:		stainless steel V4A:	
				8.5888.2422.2122-C		8.5888.2422.2122-V4A	
				8.5888.2522.2122-C		1.4404	

Specifications

Connection Thread	Cable, M12, M23 contact
Housing diameter	58
IP Class	IP65, IP67
Mounting	Hollow shaft
Output	CANopen
Resolution Envarv	16 bit (default: 13 bit)
Resolution More Yards	Max. 12 bit
Resolution Overall	28 bit (default: 25 bit)
Sensor type	Absolute
Shaft Diameter max	15
Shaft Diameter min	10
Supply Voltage DC Max	30
Supply Voltage DC Min	10
Temperature range from	-40
Temperature range to	80
Version	Multiturn



Interface	Type of connection	Cable gland (bus terminal cover with terminal lead)	Bus IN	Bus OUT	Bus IN
2,5	1	Signal: CAN_GND CAN_L CAN_H Abbreviation: EG CL CH EV +V -V CAN_L CAN_H CAN_GND	EV +V -V CAN_L CAN_H CAN_GND	EV +V -V CAN_L CAN_H CAN_GND	EV +V -V CAN_L CAN_H CAN_GND
Interface	Type of connection	Cable (insulate unused wires individually before initial start-up)	Bus IN	Bus OUT	Bus IN
2,5	A, B	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: BN BN VE GN GY	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	2 x M12 connector (3 x M12 connector with interface 5)	Bus IN	Bus OUT	Bus IN
2,5	3, F	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 3 3 5 4 1	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
5	2	Signal: A X B B EV Abbreviation: 1 2 3 4 5	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	1 x M12 connector	Bus IN	Bus OUT	Bus IN
2,5	E	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 3 2 5 4 1	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	2 x M12 connector	Bus IN	Bus OUT	Bus IN
2,5	F	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 10 12 2 7 3	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	1 x M12 connector	Bus IN	Bus OUT	Bus IN
2,5	I	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 10 12 2 7 3	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	Sub-D connector	Bus IN	Bus OUT	Bus IN
2,5	K	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 8 9 2 7 3	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND

Interface	Type of connection	Cable gland (bus terminal cover with terminal lead)	Bus IN	Bus OUT	Bus IN
2,5	1	Signal: CAN_GND CAN_L CAN_H Abbreviation: EG CL CH EV +V -V CAN_L CAN_H CAN_GND	EV +V -V CAN_L CAN_H CAN_GND	EV +V -V CAN_L CAN_H CAN_GND	EV +V -V CAN_L CAN_H CAN_GND
Interface	Type of connection	Cable (insulate unused wires individually before initial start-up)	Bus IN	Bus OUT	Bus IN
2,5	A, B	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: BN BN VE GN GY	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	2 x M12 connector (3 x M12 connector with interface 5)	Bus IN	Bus OUT	Bus IN
2,5	3, F	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 3 3 5 4 1	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
5	2	Signal: A X B B EV Abbreviation: 1 2 3 4 5	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	1 x M12 connector	Bus IN	Bus OUT	Bus IN
2,5	E	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 3 2 5 4 1	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	2 x M12 connector	Bus IN	Bus OUT	Bus IN
2,5	F	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 10 12 2 7 3	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	1 x M12 connector	Bus IN	Bus OUT	Bus IN
2,5	I	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 10 12 2 7 3	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND
Interface	Type of connection	Sub-D connector	Bus IN	Bus OUT	Bus IN
2,5	K	Signal: EV +V CAN_L CAN_H CAN_GND Abbreviation: 8 9 2 7 3	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND	EV +V CAN_L CAN_H CAN_GND