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KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX 5858/5878, OPTICAL, CANOPEN, Ø58M

SERIE 5858 CANOPEN



- Housing diameter Ø58 mm
- CANopen
- Safety-Lock™
- High degree of enclosure

PRODUCT DESCRIPTION

Sendix 5858/5878 is a one-way fieldbus transducer with CANopen 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 5858/5878 is available with 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 Shaft version — 8.5858 (Type) . X(a) X(b) 2(c) X(d) . 21(e) 1(f) X(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

d *Type of connection*
removable bus terminal cover
1 = radial cable gland
2 = 2 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

*) 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.: 8.5858.112B.2113.0030 (for cable length 3 m)

e *Fieldbus profile*
21 = CANopen

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

Optional on request
- Ex 2/22 3)
- surface protection salt spray tested

Order code
Hollow shaft

8.5878	.	X	X	2	X	.	21	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*
2 = CANopen DS301 V4.02 / 10 ... 30 V DC

d *Type of connection*
removable bus terminal cover
1 = radial cable gland
2 = 2 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

*) 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.: 8.5878.542B.2113.0030 (for cable length 3 m)

e *Fieldbus profile*
21 = CANopen

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

Optional on request
- Ex 2/22 [1)]
- surface protection salt spray tested

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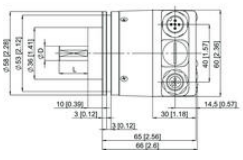
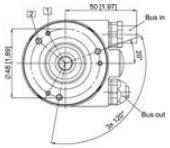
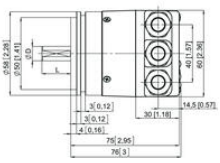
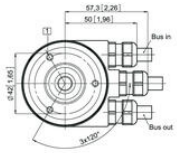
TECHNICAL DATA

Connection	Cable, M12, M23 contact
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Shoulder
Output	CANopen
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	Singleturn







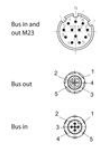


Bus terminal cover with terminal box (type of connection 1)

Direction	OUT					IN				
Signal	CAN Ground	CAN_Low (-)	CAN_High (+)	0 V power supply	$+U_B$ power supply	0 V power supply	$+U_B$ power supply	CAN_Low (-)	CAN_High (+)	CAN Ground
Abbreviation	CG	CL	CH	0 V	+V	0 V	+V	CL	CH	CG

Cable connection (type of connection A)

Direction	IN				
Signal	0 V power supply	$+U_B$ power supply	CAN_Low (-)	CAN_High (+)	CAN Ground
Abbreviation	0 V	+V	CL	CH	CG
Cable colour	WH	BN	YE	GN	GY



Connector M23 (type of connection I) or M12 (type of connection E)

Direction	IN				
Signal	0 V power supply	$+U_B$ power supply	CAN_Low (-)	CAN_High (+)	CAN Ground
Abbreviation	0 V	+V	CL	CH	CG
M23 PIN assignment	10	12	2	7	3
M12 PIN assignment	3	2	5	4	1

Bus terminal cover with Connectors 2 x M12 (type of connection 2, F or J)

Direction	OUT					IN				
Signal	CAN Ground	CAN_Low (-)	CAN_High (+)	0 V power supply	$+U_B$ power supply	0 V power supply	$+U_B$ power supply	CAN_Low (-)	CAN_High (+)	CAN Ground
M23 PIN assignment	3	2	7	10	12	10	12	2	7	3
M12 PIN assignment	1	5	4	3	2	3	2	5	4	1

Bus terminal cover with terminal box (type of connection 1)

Direction	OUT					IN				
Signal	CAN Ground	CAN_Low (-)	CAN_High (+)	0 V power supply	$+U_B$ power supply	0 V power supply	$+U_B$ power supply	CAN_Low (-)	CAN_High (+)	CAN Ground
Abbreviation	CG	CL	CH	0 V	+V	0 V	+V	CL	CH	CG

Cable connection (type of connection A)

Direction	IN				
Signal	0 V power supply	$+U_B$ power supply	CAN_Low (-)	CAN_High (+)	CAN Ground
Abbreviation	0 V	+V	CL	CH	CG
Cable colour	WH	BN	YE	GN	GY

Bus in and out M23



Connector M23 (type of connection I) or M12 (type of connection E)

Direction	IN				
Signal	0 V power supply	$+U_B$ power supply	CAN_Low (-)	CAN_High (+)	CAN Ground
Abbreviation	0 V	+V	CL	CH	CG
M23 PIN assignment	10	12	2	7	3
M12 PIN assignment	3	2	5	4	1

Bus out



Bus in



Bus terminal cover with Connectors 2 x M12 (type of connection 2, F or J)

Direction	OUT					IN				
Signal	CAN Ground	CAN_Low (-)	CAN_High (+)	0 V power supply	$+U_B$ power supply	0 V power supply	$+U_B$ power supply	CAN_Low (-)	CAN_High (+)	CAN Ground
M23 PIN assignment	3	2	7	10	12	10	12	2	7	3
M12 PIN assignment	1	5	4	3	2	3	2	5	4	1