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KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX F5868 / F5888, OPTICAL, CANOPEN, Ø58 MM

SERIE F5868 CANOPEN

- Housing diameter Ø58 mm
- CANopen - Interface
- 16 + 16 bit resolution
- -40 to +85 ° C working temperature

PRODUCT DESCRIPTION

Sendix F5868 / F5888 is a series of multivalved optical axes and hole axes with CANopen interface and resolution of up to 32 bits (16 bit multi-color + 16-bit one-turn).
The sensor also has high enclosure, shock resistance and a wide temperature range. The F5868 / F5888 is therefore very suitable for applications where extreme environments or temperatures may occur, such as mobile applications.

Please refer to the image below for ordering information.

Order code Shaft version 8.F5868 (Type) . X X 2 X . 21 2 X (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"]

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*
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
*) 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.F5868.122B.2123.0030 (for cable length 3 m)

e *Fieldbus profile*
21 = CANopen

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

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

Order code Hollow shaft 8.F5888.XX2X.21 2X
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 *Through hollow shaft*
3 = ø 10 mm [0.39"]
4 = ø 12 mm [0.47"]
5 = ø 14 mm [0.55"]
6 = ø 15 mm [0.59"]
Blind hollow shaft
(insertion depth max. 30 mm [1.18"])
B = ø 12 mm [1]

c *Interface / power supply*
2 = CANopen DS301 V4.02 / 10 ... 30 V DC

d *Type of connection*
L = tangential cable, 2 m [6.56'] PVC
M = tangential cable, special length PVC *)
E = 1 x radial M12 connector, 5-pin
F = 2 x radial M12 connector, 5-pin [2]
*) Available special lengths (connection type M):
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.F5888.542M.2123.0030 (for cable length 3 m)

e *Fieldbus profile*
21 = CANopen

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

Optional on request
- Ex 2/22 [3] (not for type of connection L, M)
- surface protection salt spray tested

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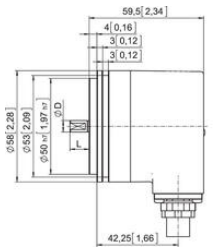
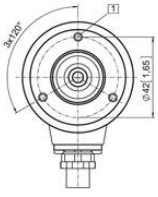
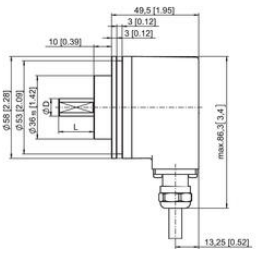
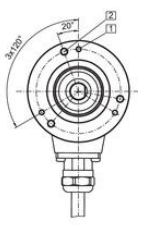
TECHNICAL DATA

Connection	Cable, M12
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Shoulder
Output	CANopen
Resolution MT	16 bit
Resolution ST	Max: 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	85 °C
Temperature operational min	-40 °C
Version	Multiturn









Interface	Type of connection	Function	Cable(Bus terminal cover with terminal box)						
2	A, B, L, M	Bus IN	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
			Abbreviation	0 V	+V	CL	CH	CG	
			Cable colour	WH	BN	YE	GN	GY	

Interface	Type of connection	Function	2 x M12 connector						
2	F	Bus IN	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
			Abbreviation	0 V	+V	CL	CH	CG	
			Pin:	3	2	5	4	1	
		Bus OUT	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
			Abbreviation	CG	CL	CH	0 V	+V	
			Pin:	3	2	5	4	1	

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

Interface	Type of connection	Function	Cable(Bus terminal cover with terminal box)						
2	A, B, L, M	Bus IN	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
			Abbreviation:	0 V	+V	CL	CH	CG	
			Cable colour:	WH	BN	YE	GN	GY	

Interface	Type of connection	Function	2 x M12 connector						
2	F	Bus IN	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
			Abbreviation:	0 V	+V	CL	CH	CG	
			Pin:	3	2	5	4	1	
		Bus OUT	Signal:	0 V power supply	+V power supply	CAN_L	CAN_H	CAN_GND	
			Abbreviation:	CG	CL	CH	0 V	+V	
			Pin:	3	2	5	4	1	

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