

**KUEBLER - ABSOLUTE-CODED
ANGULAR TRANSMITTER SENDIX F5868
/ F5888, OPTICAL, CANOPEN, Ø58 MM
SERIE F5888 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 2/22³⁾
- surface protection salt spray tested

Order code Hollow shaft

8.F5888
Type

X X 2 X . 21 2 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 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 mm¹⁾

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-pin²⁾

*) 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)

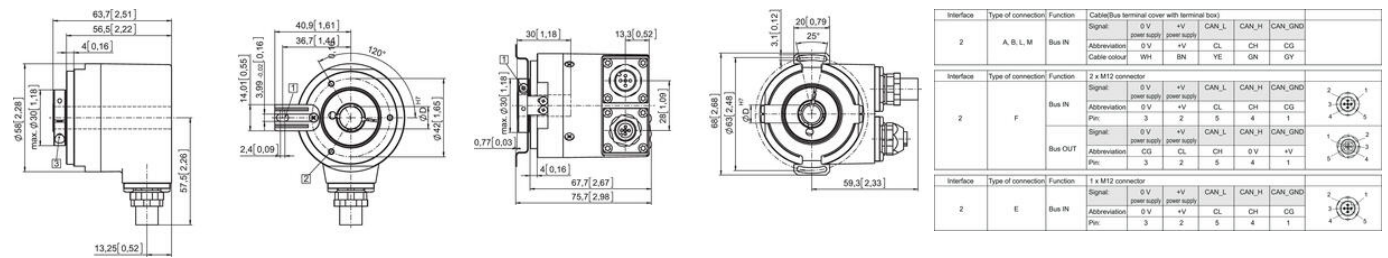
2 = no option
3 = SET button

Optional on request

- Ex 2/22³⁾ (not for type of connection L, M)
- surface protection salt spray tested

TECHNICAL DATA

Connection	Cable, M12
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Hollow shaft
Output	CANopen
Resolution MT	16 bit
Resolution ST	Max: 16 bit, default: 13 bit
Sensor type	Absolute
Shaft diameter max	15 mm
Shaft diameter min	10 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 CAN_L CAN_H CAN_GND Abbreviation: 0 V +V CL CH CG Cable colour: WH BN YE GN GY		
2	F	Bus IN	Signal: 0 V power supply +V CAN_L CAN_H CAN_GND Abbreviation: 0 V +V CL CH CG Pin: 3 2 5 4 1	2 1 4 5	
		Bus OUT	Signal: 0 V power supply +V CAN_L CAN_H CAN_GND Abbreviation: CG CL CH 0 V +V Pin: 3 2 5 4 1	1 3 4 5	
2	E	Bus IN	Signal: 0 V power supply +V CAN_L CAN_H CAN_GND Abbreviation: 0 V +V CL CH CG Pin: 3 2 5 4 1	2 1 4 5	