

SENDIX F5868/5888, OPTYCZNY, WIELOBROTOWY, CANOPEN, Ø58 MM

Enkodery wielobrotowe absolutne optyczne

SERIE F5888 CANOPEN

- Średnica zewnętrzna: Ø 58 mm
- Maks. średnica wałka: Ø 10 mm. Maks. średnica otworu: Ø 15 mm
- Maks. rozdzielczość: 16 bitów ST + 16 bitów MT
- CANopen
- Temperatura pracy: -40° C do +85° C



OPIS PRODUKTU

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.

W celu określenia numeru katalogowego proszę o zapoznanie się z poniższymi informacjami.

Order code		8.F5868.XX2X.212X					
Shaft version		Type	a	b	c	d	e
a Flange		c Interface / power supply					
1 = clamping flange, IP65, Ø 58 mm [2.28"]		2 = CANopen DS301 V4.02 / 10 ... 30 V DC					
3 = clamping flange, IP67, Ø 58 mm [2.28"]		d Type of connection					
2 = synchro flange, IP65, Ø 58 mm [2.28"]		A = radial cable, 2 m [6.56'] PVC					
4 = synchro flange, IP67, Ø 58 mm [2.28"]		B = radial cable, special length PVC *)					
b Shaft (Ø x L), with flat		e Fieldbus profile					
1 = 6 x 10 mm [0.24 x 0.39"] ¹⁾		21 = CANopen					
2 = 10 x 20 mm [0.39 x 0.79"] ²⁾		f Options (service)					
3 = 1/4" x 7/8"		2 = no option					
4 = 3/8" x 7/8"		3 = SET button					
		Optional on request					
		- Ex 2/22 ³⁾					
		- surface protection salt spray tested					

*) 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)

Order code

Hollow shaft

8.F5888

Type

a

b

c

d

e

f

XX

2X

.

21

2X

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

SPECYFIKACJA TECHNICZNA

Max. temperatura pracy	85 °C
Min. temperatura pracy	-40 °C
Montaż	Wał drążony
Napięcie zasilania DC max.	30 V DC
Napięcie zasilania DC min.	10 V DC
Podłączenie	Kabel, Złącze M12
Rozdzielczość MT	16 bit
Rozdzielczość ST	Max: 16 bit, default: 13 bit
Średnica obudowy	58 mm
Średnica wału max	15 mm
Średnica wału min	10 mm
Stopień ochrony IP	IP65, IP67
Typ czujnika	Absolutny
Wersja	Wielobrotowy
Wyjście	CANopen

Technical drawings of the sensor showing front, side, and detail views with dimensions in mm and inches.

Interface	Type of connection	Function	Cable/bus terminal cover with terminal box	
2	A, B, L, M	Bus IN	Signal: 0 V (inter supply) +V (inter supply) Abbreviation: 0 V +V Cable colour: WH BN VE GN GH	CAN_L CAN_H CAN_GND
2	F	Bus IN	Signal: 0 V (inter supply) +V (inter supply) Abbreviation: 0 V +V Pin: 3 2 5 4 1	CAN_L CAN_H CAN_GND
		Bus OUT	Signal: 0 V (inter supply) +V (inter supply) Abbreviation: 0 V +V Pin: 3 2 5 4 1	CAN_L CAN_H CAN_GND
2	E	1 x M12 connector	Signal: 0 V (inter supply) +V (inter supply) Abbreviation: 0 V +V Pin: 3 2 5 4 1	CAN_L CAN_H CAN_GND

Terminal block diagrams for interfaces A, B, L, M; F; and E.

Interface	Type of connection	Function	Cable (Bus terminal cover with terminal box)								
2	A, B, L, M	Bus IN	Signal:	0 V	+V	CAN_L	CAN_H	CAN_GND			
			Abbreviation:	power supply	power supply						
			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	+V	CAN_L	CAN_H	CAN_GND			
			Abbreviation:	0 V	+V	CL	CH	CG			
			Pin:	3	2	5	4	1			
			Signal:	0 V	+V	CAN_L	CAN_H	CAN_GND			
		Bus OUT	Signal:	0 V	+V	CAN_L	CAN_H	CAN_GND			
			Abbreviation:	0 V	+V	CL	CH	CG			
			Pin:	3	2	5	4	1			
			1 x M12 connector								
		2	E	Bus IN	Signal:	0 V	+V	CAN_L	CAN_H	CAN_GND	
					Abbreviation:	0 V	+V	CL	CH	CG	
Pin:	3				2	5	4	1			
1 x M12 connector											