

KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX 5863/5883, OPTICAL, SSI, Ø58 MM SERIE 5863

- Housing diameter Ø58 mm
- SSI / BiSS
- Safety-Lock™
- High enclosure class



PRODUCT DESCRIPTION

Sendix 5863/5883 is a multivariate sensor with SSI / BiSS interface 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 5863/5883 has 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	8.5863 . XXXXX . XX2X								
Shaft version	Type	a	b	c	d	e	f	g	h
a Flange		d Type of connection				e Code		g Inputs / outputs⁵⁾	
1 = clamping flange, IP65 ø 58 mm [2.28"]		1 = axial cable, 1 m [3.28'] PVC				B = SSI, binary		2 = SET, DIR input	
3 = clamping flange, IP67 ø 58 mm [2.28"]		A = axial cable, special length PVC *)				C = BiSS, binary		additional	
2 = synchro flange, IP65 ø 58 mm [2.28"]		2 = radial cable, 1 m [3.28'] PVC				G = SSI, gray		status output	
4 = synchro flange, IP67 ø 58 mm [2.28"]		B = radial cable, special length PVC *)							
5 = square flange, IP65 □ 63.5 mm [2.5"]		3 = axial M23 connector, 12-pin				f Resolution⁵⁾		h Options (service)	
7 = square flange, IP67 □ 63.5 mm [2.5"]		4 = radial M23 connector, 12-pin				A = 10 bit ST + 12 bit MT		1 = no option	
6 = servo flange, IP65 ø 63.5 mm [2.5"] ¹⁾		5 = axial M12 connector, 8-pin ⁴⁾				1 = 11 bit ST + 12 bit MT		2 = status LED	
8 = servo flange, IP67 ø 63.5 mm [2.5"] ¹⁾		6 = radial M12 connector, 8-pin ⁴⁾				2 = 12 bit ST + 12 bit MT		3 = SET button and	
		*) Available special lengths (connection types A, B):				3 = 13 bit ST + 12 bit MT		status LED	
		2, 3, 5, 8, 10, 15 m [5.56, 9.84, 16.40, 26.25, 32.80, 49.21']				4 = 14 bit ST + 12 bit MT			
		order code expansion .XXXX = length in dm				5 = 17 bit ST + 12 bit MT			
		ex.: 8.5863.112A.G323.0030 (for cable length 3 m)							
b Shaft (ø x L), with flat		Optional on request				Salt spray tested / stainless steel V4A as standard types (deliverable as from 1 unit)			
1 = 6 x 10 mm [0.24 x 0.39"] ²⁾		- Ex 2/22 ⁶⁾				salt spray tested:			
2 = 10 x 20 mm [0.39 x 0.79"] ³⁾		- other singleturn resolutions				8.5863.32X6.XX22-C			
3 = 1/4" x 7/8"		- surface protection salt spray tested				stainless steel V4A:			
4 = 3/8" x 7/8"		- seawater resistant (stainless steel V4A)				8.5863.32X6.XX22-V4A			
c Interface / power supply									
1 = SSI, BiSS / 5 V DC						1.4404			
2 = SSI, BiSS / 10 ... 30 V DC									
3 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC									
4 = SSI, BiSS + 2048 ppr. SinCos / 10 ... 30 V DC									
5 = SSI, BiSS / 5 V DC, with sensor output									
6 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output									
7 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC									
8 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 10 ... 30 V DC									
9 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC, with sensor output									

Order code
Hollow shaft

8.5883
Type

. **XXXXX** . **XX2X**
a b c d e f g h

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"]
- 8 = ø 3/8"
- 9 = ø 1/2"

Blind hollow shaft

(insertion depth max. 30 mm [1.18"])

- 6 = ø 15 mm [0.59"]

c Interface / power supply

- 1 = SSI, BiSS / 5 V DC
- 2 = SSI, BiSS / 10 ... 30 V DC**
- 3 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC
- 4 = SSI, BiSS + 2048 ppr. SinCos / 10 ... 30 V DC
- 5 = SSI, BiSS / 5 V DC, with sensor output
- 6 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output
- 7 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC
- 8 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 10 ... 30 V DC
- 9 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC, with sensor output

d Type of connection

- 2 = radial cable, 1 m [3.28"] PVC
- B = radial cable, special length PVC *)
- E = tangential cable, 1 m [3.28"] PVC**
- F = tangential cable, special length PVC *)
- 4 = radial M23 connector, 12-pin**
- 6 = radial M12 connector, 8-pin ²⁾

*) Available special lengths (connection types B, F):
2, 3, 5, 8, 10, 15 m [5.56, 9.84, 16.40, 26.25, 32.80, 49.21']
order code expansion .XXXX = length in dm
ex.: 8.5883.542B.G323.0030 (for cable length 3 m)

e Code

- B = SSI, binary
- C = BiSS, binary
- G = SSI, gray**

f Resolution ¹⁾

- A = 10 bit ST + 12 bit MT
- 1 = 11 bit ST + 12 bit MT
- 2 = 12 bit ST + 12 bit MT
- 3 = 13 bit ST + 12 bit MT**
- 4 = 14 bit ST + 12 bit MT
- 7 = 17 bit ST + 12 bit MT

g Inputs / outputs ¹⁾

- 2 = SET, DIR input**
additional
status output

h Options (service)

- 1 = no option
- 2 = status LED
- 3 = SET button and status LED**

Optional on request

- Ex 2/22 (not for type of connection E, F) ³⁾
- other singleturn resolutions
- surface protection salt spray tested
- seawater resistant (stainless steel V4A)

Salt spray tested / stainless steel V4A as standard types (deliverable as from 1 unit)

 salt spray tested:
8.5883.24X6.XX22-C
8.5883.25X6.XX22-C

 stainless steel V4A:
8.5883.24X6.XX22-V4A

TECHNICAL DATA

Connection	Cable, M12, M23 contact
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Shoulder
Output	SSI
Resolution MT	Max. 12 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	5 V DC
Temperature operational max	90 °C
Temperature operational min	-40 °C
Version	Multiturn



