## KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX F5863 / F5883, OPTICAL, SSI, Ø58 MM

**SERIE F5883** 

- Housing diameter Ø58 mm
- SSI-Interface
- Total resolution 41 bits
- 100% insensitive to magnetic fields



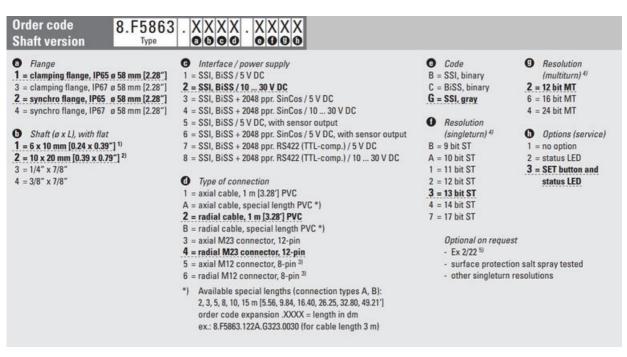
Kijbler

## Product description

Sendix F5863 / F5883 is a series of robust absolute encoded SSI axis sensors for demanding environments. Thanks to its rugged construction with Safety-Lock ™ and the fully cast housing, the sensor can also handle the more demanding applications where the requirements are high. 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. Perfect for applications requiring high resolution.

The LED indication facilitates diagnostics of the sensor in place and saves time when troubleshooting.

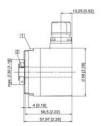
Please refer to the images below for ordering information.

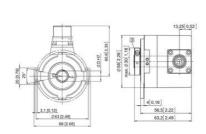


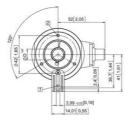
## XXXXX . XXXX Order code 8.F5883 . 0000 0000 Hollow shaft Flange @ Code Resolution Interface / power supply 1 = with spring element, long, IP65 1 = SSI, BiSS / 5 V DC B = SSI, binary (multiturn) 1) 2 = with spring element, long, IP67 2 = SSI, BiSS / 10 ... 30 V DC C = BiSS, binary 2 = 12 bit MT 3 = with stator coupling, IP65, ø 65 mm [2.56"] G = SSI, gray 6 = 16 bit MT 3 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC 4 = with stator coupling, IP67, ø 65 mm [2.56"] 4 = SSI, BiSS + 2048 ppr. SinCos / 10 ... 30 V DC 4 = 24 bit MT 5 = SSI, BiSS / 5 V DC, with sensor output 5 = with stator coupling, IP65, ø 63 mm [2.48"] Resolution (singleturn) 1) Options (service) 6 = with stator coupling, IP67, ø 63 mm [2.48"] 6 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output B = 9 bit ST 7 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC 1 = no option Through hollow shaft 8 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 10 ... 30 V DC A = 10 bit ST 2 = status LED 3 = ø 10 mm [0.39"] 1 = 11 bit ST 3 = SET button and 4 = ø 12 mm [0.47"] 2 = 12 bit ST status LED Type of connection 2 = radial cable, 1 m [3.28'] PVC 5 = ø 14 mm [0.55"] 3 = 13 bit ST 6 = ø 15 mm [0.59"] B = radial cable, special length PVC \*) 4 = 14 bit ST 8 = 0 3/8" E = tangential cable, 1 m [3.28] PVC 7 = 17 bit ST 9 = ø 1/2" F = tangential cable, special length PVC \*) 4 = radial M23 connector, 12-pin Optional on request 6 = radial M12 connector, 8-pin 2 - Ex 2/22 (not for type of connection E, F) 3) - surface protection salt spray tested \*) Available special lengths (connection types B, F): - other singleturn resolutions 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.F5883.542B.G323.0030 (for cable length 3 m)

## Specifications

Connection Thread	Cable, M12, M23 contact						
Housing diametre	58						
IP Class	IP65, IP67						
Mounting	Hollow shaft						
Output	SSI						
Resolution Envarv	SSI: 10-17 bit, BiSS: 10-17						
Resolution More Yards	SSI: max. 24 bit, BiSS: max. 24 bit						
Sensor type	Absolute						
Shaft Diameter max	15						
Shaft Diameter min	10						
Supply Voltage DC Max	30						
Supply Voltage DC Min	5						
Temperature range from	-40						
Temperature range to	85						
Version	Multiturn						







Interface	Type of connection	Features	Cable (solate unused wires individually before initial start-up)													
1,2	1,2,4 B,E,F	SET DIR, Status	Signal	OV	+V	C+	C-	D+	D-	SET	DIR	Stat	N/C	NC	N/C	Н
			Cable colour	WH	8N	GN	Yξ	GY	PK	BU	RD	BK		-	-	shield
Interface	Type of connection	Features	M23 connector													
1,2	3,4	SET DIR. Status	Signal:	OV	+4	C+	C-	D+	D-	SET	DR.	Stat	NC	NC	NIC	н
			Pinc	1	2	1	4	5	6	7		9	10	11	12	PH
Interface	Type of connection	Features	Cable (Isolate unused wires individually before initial start-up)													
5	1,2A8.EF	SET, DIR, Status	Signal:	ov	+V	C+	C	D+	D-	SET	DIR	Stat	NC	(Viseos	+Vsiens	H
		sensor output	Cable colour	WH	BN	GN	ΥĽ	GY	PK	BU	RD	toc	-	GH-PK	RD-BU	shiek
Interface	Type of connection	Features .	M2) connector													
5	3,4	SET, DIR, Status	Signal:	OV	+V	C+	C-	De	D	SET	DIR	Stat	NC	Diseas	+Vsens	H
		sensor output	Pinc		2	3	4	5	6	7	1	9	10	11	12	211
Interface	Type of connection	Features .	Cable (solute unused wires individually before initial start-up)													
3,4,7,8	1,2,4 8,E,F	SET, DIFL SINCOS	Signal:	OV	+V	C+	C	D+	D	SET	DIR	A	A	8		·H.
		or incr. RS422	Cable colour	WH	BN	GN	YE	GY	PK	BU	RD	BK	VT	GY-PK	RD-BU	shield
Interface	Type of connection	Features	M23 corinects	or .		_	01 1							1		
3,4,7,8	3,4	SET DIR SINCOS	Signal.	ov	+V	C+	C-	De	D	SET	DIR	A	Ā	9	- 8	H
		or incr. RS422	Piex		2	3	4.	5	6	7		9	10	11	12	PH
Interface	Type of connection	Features	Cable (solate unused wires individually before initial start-up)													
6	1,2A8.EF	SinCos a. Incr. 85422	Signat	ov	V+C	C+	C.	D+	D.	A	A	8	8	¢Vsens	+Vsens	Н
		sensor output	Cable colour:	991	BN	GN	YÉ	GY	PK	BU	RD.	BK	Vf	GY-FX	80-8U	shield
Interface	Type of connection	Features	M21 connector													
6	3,4	SinCos a. Incr. R5422	Signal:	ov	W.	C+	c.	D+	D-	A	X	. 8	B	(Nyens	+Vsens	H
		sensor output	Pierc .		2	3	4	5	6	7		9	10	11	12	211
Interface	Type of connection	Features	M12 connector													
1,2	5.6	SET DIR	Signal:	ov	+V	C+	c.	D+	D-	SET	DIR		H			
			Pies	1	2	3	.4	. 5	6	7	.8		PH			



| Secondary | Seco

