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

SERIE F5863

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



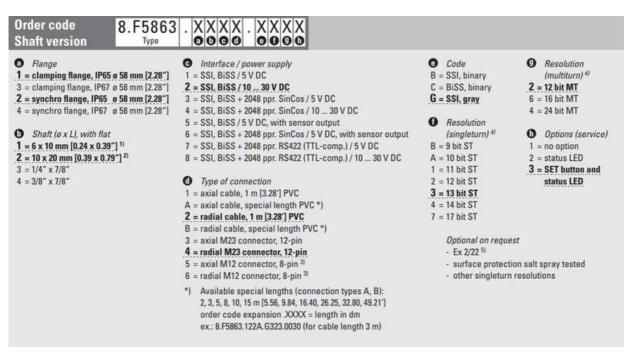
Kijhler

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.

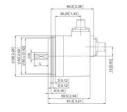
Please refer to the images below for ordering information.

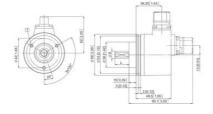


Order code 8.F5883. |X|X|X|X| . |X|X|X|X0000 0000 Hollow shaft Flange Code Resolution Interface / power supply 1 = with spring element, long, IP65 1 = SSI, BiSS / 5 V DC B = SSI, binary (multiturn) 1) 2 = with spring element, long, IP67 2 = SSI, BiSS / 10 ... 30 V DC C = BiSS, binary 2 = 12 bit MT 3 = 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 = with stator coupling, IP65, ø 63 mm [2.48"] 5 = SSI, BiSS / 5 V DC, with sensor output Resolution 6 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output(singleturn) 1) Options (service) 6 = with stator coupling, IP67, ø 63 mm [2.48"] 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

Housing diametre	58
IP Class	IP65, IP67
Resolution Envarv	SSI: 10-17 bit, BiSS: 10-17 bit
Resolution More Yards	SSI: max. 24 bit, BiSS: max. 24 bit
Shaft Diameter max	10
Shaft Diameter min	6
Supply Voltage DC Max	30
Supply Voltage DC Min	5
Temperature range from	-40
Temperature range to	85







Interface	Type of connection	Features	Cable (solute unused wires individually before initial start-up)													
1,2	1,248.67	SET DIR Status	Signal	OV	+V	C+	Ç.	D+	D-	SIT	DIR	Stat	NC	NC	NC	н
			Cable colour:	WH	6N	GN	YE	GY	PK	BU	RD	BK		-	-	shield
Interface	Type of connection	Features	M23 connector													
1,2	3,4	SET DIR Status	Signal:	OV	+V	C+	C-	D+	D-	SET	DR	Stat	NC	NC	NIC	н
			Pinc	3	2	1	4	- 5	6	7	.8	9	10	11	12	PH
Interface	Type of connection	Features	Cable (isolate snused wires individually before initial start-up)													
5	1.2.48.E.F	SET, DIR, Status	Signal:	OV	·V	C+	C-	D+	D-	SET	DIA	Stat	NC	(V)ens	+Vsiens	H
		sensor output	Cable colour:	WH	BN	GN	YE	GY	PK	BU	RD	BC		GY-PK	KD-8U	shield
Interface	Type of connection	Features .	M23 connector													
5	3,4	SET, DR. Status	Signal:	OV	+V.	C+	C-	D+	D	SET	DIR	Stat-	NC	Diseas	+Vsens	H
		sensor output	Pinc	.1	2	1	4	- 5	6	7	.8	9	10	11	12	211
Interface	Type of connection	Features .	Cable (Isolate unused wires individually before initial start-up)													
3,4,7,8	1,2,4,8.E,F	SET, DRI, SinCos	Signal:	OV	+V	C+	C-	D+	D	SET	Disk	A	A	8	- 1	·H
		or incr. RS422	Cable colour	WHE	BN.	GN	YE	GY	PK	BU	RD	BK	VT	GY-PK	RD-BU	shield
Interface	Type of connection	Feetures	M23 connector													
3,4,7,8	3,4	SET, DIR, SInCos	Signal.	OV	+V.	C+	Ç-	D4	D	SET	DIR	.A	Ä	9	- 8	H
		or incr. RS422	Pierc	1	2	3	4.	-5	6	7	.8	. 0	10	11	12	P11
Interface	Type of connection	Features	Cable (solate unused wires individually before initial start-up)													
6	1,2,4,8,E,F	SinCos is incr. R5422	Signal:	ov	+V	C+	C-	D+	D	A	Ä	8	8	0Vsens	+Vsens	Н
		sensor output	Cable colour	7531	BN	GN	YÉ	GY	PK	BU	ID.	BK	Vf	GY-PX	10-8U	shield
Interface	Type of connection	Features	M23 connector													
- 6	3,4	SinCos o, incr. R5422	Signal:	ov	+V	C+	C-	D+	D-	A	X	. 8	B	6Vhens	+Vsens	H
		sensor output	Pinc	1	. 2	3	4	3	6	.7	.8	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		4	- 5	4	7	. 6		PH			

Encoder power supply +V DC Encoder power supply ground GRO (b V) san / +Value. Using the series outgast of the encoder, the voltage press can be resissand and if necessary increased accordingly. Charles and the series of the series of the series Code Signal Code Signal

Data signal foromendal output channel A (cosine) foromendal output channel B (sine) foromendal output channel B (sine) Set input. The custemp output on becomes defined as position Direction input if this input is active, output values are coun backwards (decrease) when the shalf is turning clockwise, Satur output. Pless comented housing sibeled!

