KUEBLER - ABSOLUTE CODED ANGULAR TRANSMITTER SENDIX F3663 / F3683, OPTICAL, SSI, Ø36 MM

SERIE F3663

- Housing diameter Ø36 mm
- SSI / BiSS interface
- Safety-Lock™
- Up to 17 + 24 bit resolution





Product description

Sendix F3663 / F3683 is a series of multivalved optical axial outputs with SSI interface and a resolution of up to 17 + 24 bits despite its compact size of 36x42 mm. The sensor also has high enclosure class, shock resistance and a wide temperature range. The sensor is therefore very suitable for applications where extreme environments or temperatures can occur, such as mobile applications. The sensor is supplied with a tangential cable, which means that there is no exposed cable input on the sensor, but it is embedded in the housing itself to increase impact on impact and impact.

The Sendix F3663 / F3683 is also available in a salt water resistant version.

Please refer to the images below for ordering information.

Order code 8.F3663 Shaft version			
Flange 1 = clamping flange, IP67, ø 36 mm [1.42"] 3 = clamping flange, IP65, ø 36 mm [1.42"] 2 = synchro flange, IP67, ø 36 mm [1.42"] 4 = synchro flange, IP65, ø 36 mm [1.42"] Shaft (σ x L), with flat 1 = Ø 6 x 12.5 mm [0.24 x 0.49"] 3 = Ø 8 x 15 mm [0.32 x 0.59"] 5 = Ø 10 x 20 mm [0.39 x 0.79"] 2 = Ø 1/4" x 12.5 mm [0.49"] 4 = Ø 3/8" x 5/8"	Interface / power supply 1 = SSI, BiSS / 5 V DC 2 = SSI, BiSS / 10 30 V DC 3 = SSI, BiSS / 10 30 V DC 4 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC 4 = SSI, BiSS + 2048 ppr. SinCos / 10 30 V DC 5 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output 6 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output 7 = SSI, BiSS + 2048 ppr. RS422 / 5 V DC 8 = SSI, BiSS + 2048 ppr. RS422 / 10 30 V DC 7 type of connection 1 = tangential cable, 1 m [3.28] PUR 3 = tangential cable, 5 m [16.40] PUR U = tangential cable, 1 m [3.281] PUR 5 = tangential cable, 1 m [3.281] PUR with M12 connector for central fastening, 8-pin 1)	Code B = SSI, binary C = BiSS, binary G = SSI, gray Resolution (singleturn) B = 9 bit ST A = 10 bit ST 2 = 12 bit ST 3 = 13 bit ST 4 = 14 bit ST 7 = 17 bit ST Resolution (multiturn) C = 12 bit MT 6 = 16 bit MT 4 = 24 bit MT	Optional on request - surface protection salt spray tested - other singleturn resolutions

. XXXX . XXX 2 Order code 8.F3683 **Hollow shaft**

Flange

1 = with spring element, short, IP65

3 = with spring element, long, IP65

2 = with stator coupling, IP65, ø 46 mm [1.81"]

Through hollow shaft

1 = Ø 6 mm [0.24"]

3 = Ø 8 mm [0.32"]

2 = ø 1/4"

Blind hollow shaft

(insertion depth max. 14.5 mm [0.57"])

4 = ø 10 mm [0.39"]

• 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 / 5 V DC

8 = SSI, BiSS + 2048 ppr. RS422 / 10 ... 30 V DC

Type of connection

1 = tangential cable, 1 m [3.28] PUR

3 = tangential cable, 5 m [16.40'] PUR

U = tangential cable, 10 m [32.81'] PUR

5 = tangential cable, 1 m [3.28'] PUR with M12 connector for central fastening, 8-pin 1) O Code

B = SSI, binary

C = BiSS, binary

G = SSI, gray

Resolution (singleturn) B = 9 bit ST

A = 10 bit ST

2 = 12 bit ST

3 = 13 bit ST

4 = 14 bit ST

7 = 17 bit ST

 Resolution (multiturn)

2 = 12 bit MT

6 = 16 bit MT

4 = 24 bit MT

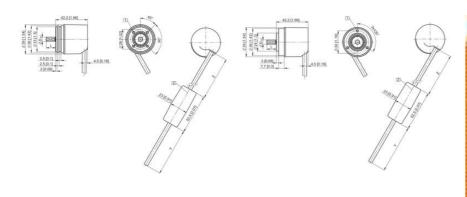
Optional on request

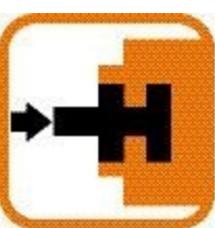
- surface protection
 - salt spray tested

 other singleturn resolutions

Specifications

Housing diametre	36
IP Class	IP65, IP67
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	90





Interface	Type of connection	Features	Cable													
1,2 1,3	1.3	SSI or BISS.	Signal	GND		V	+C	-C		+D	0	SET	1.0	NR	Stat	PE.
1,12	1,1,3	SET, DIR, Status	Cable colour	WH		N	GN	W		GV	PK:	BU		0	VT	Shield
Interface	Type of connection	Features	M12 connector													
1,2 8		SSI or BISS.		GND +V		V	+C	-C	+0		-0	SET	DIR		Shield/PE	
		SET, DIR	M12 connector	1	2		3 4		5		6.	7	- 8		PH	
interface.	Type of connection	Features	Cable													
3,4 1,3	554 or 8/55.	Signat	GND	٠V	+C	-C	*D	0	SET	DIR	A	Ain	8	Birw	PE	
	1,3	SET, DIR. 2048 SINCos	Cable colour:	WH	BN	GN	YE	GY	PK	80	RD	8K	VT	GY-PK	RD-BU	Shield
Interface	Type of connection	Features	Cable													
		55I or 8/55.		GND	+٧.	+C	-C	+D	0	SET	DIR	GNO	€O _{mm} +V _{mm}		lani	PE
5	1,3	SET DIR. Sensor outputs	Cable coloue:	WH	BN	GN	YE	GY	PK	BU	80	Y	VT RO		BU Shield	
Interface	Type of connection	Features	Coble													
6 1.3	1000100000	SSI or BISS.	Signal:	GND	W.	+6	-6	+D	-0	GNO.	+Van	- A	Am	8	2 in	PE
	2048 SinCos	Cable colour	WH	BN	GN	YE	GY	PK	80	RD	88.	VT	GY-PK.	RD 8U	Shield	
		Sensor outputs														
Interface.	Type of connection	Features	Cable													
7,8 1,3	4.4	551 or 8/55,	Signal:	GND	+V	+0	-c	+0	0	A	Ain	- B	. 8	in.	': P	2
	1,0	2088 July 85422	Cable colour	WH	BN	CN	YE	GY	PK.	28	VT	GY-PK	60	RD-8U		Shield

