KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX F3653 / F3673, OPTICAL, SSI, Ø36 MM

SERIE F3653





- Housing diameter Ø36 mm
- SSI-Interface
- 17 bit resolution
- -40 to +90 ° C working temperature

Product description

Sendix F3653 / F3673 is a series of single-axis optical axial and hole axle outputs with SSI interface and a resolution of up to 17 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 F3653 / F3673 is also available in a salt water resistant version.

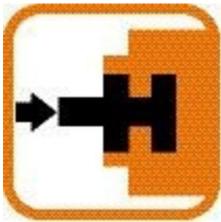
Please refer to the images below for ordering information.

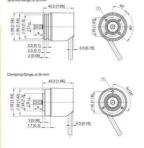
Order code 8.F3653 Shaft version		
• Flange 1 = clamping flange, IP67, \emptyset 36 mm [1.42"] 3 = clamping flange, IP65, \emptyset 36 mm [1.42"] 2 = synchro flange, IP67, \emptyset 36 mm [1.42"] 4 = synchro flange, IP65, \emptyset 36 mm [1.42"] • Shaft (\emptyset x L), with flat 1 = \emptyset 6 x 12.5 mm [0.24 x 0.49"] 3 = \emptyset 8 x 15 mm [0.22 x 0.59"] 5 = \emptyset 10 x 20 mm [0.39 x 0.79"] 2 = \emptyset 1/4" x 12.5 mm [0.49"] 4 = \emptyset 3/8" x 5/8"	 Interface / power supply SSI, BiSS / 5 V DC SSI, BiSS / 5 V DC SSI, BiSS / 10 30 V DC SSI, BiSS + 2048 ppr. SinCos / 5 V DC SSI, BiSS + 2048 ppr. SinCos / 10 30 V DC SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output SSI, BiSS + 2048 ppr. RS422 / 5 V DC SSI, BiSS + 2048 ppr. RS422 / 10 30 V DC Type of connection I = tangential cable, 1 m [3.28] PUR a tangential cable, 5 m [16.40] PUR F = tangential cable, special length PUR *) axial M12 connector, 8-pin ¹⁰ 	 Code B = SSI, binary C = BiSS, binary G = SSI, gray Resolution A = 10 bit 2 = 12 bit 3 = 13 bit 4 = 14 bit 7 = 17 bit Optional on request sufface protection salt spray tested
	*) Available special lengths (connection type F): 2, 3, 8, 10, 15 m [6.56, 9.84, 26.25, 32.80, 49.21'] order code expansion .XXXX = length in dm ex.: 8.F3653.432F.G312.0030 (for cable length 3 m)	- other resolutions

Order code 8.F3673 Hollow shaft		
 Flange = with spring element, short, IP65 = with spring element, long, IP65 = with stator coupling, IP65, ø 46 mm [1.81"] Through hollow shaft = ø 6 mm [0.34"] = ø 8 mm [0.32"] = ø 1/4" Blind hollow shaft (insertion depth max. 14.5 mm [0.57"]) 	 Interface / power supply SSI, BISS / 5 V DC SSI, BISS / 5 V DC SSI, BISS / 2048 ppr. SinCos / 5 V DC SSI, BISS + 2048 ppr. SinCos / 5 V DC SSI, BISS + 2048 ppr. SinCos / 5 V DC, with sensor output SSI, BISS + 2048 ppr. SinCos / 5 V DC, with sensor output SSI, BISS + 2048 ppr. SinCos / 5 V DC, with sensor output SSI, BISS + 2048 ppr. RS422 / 5 V DC SSI, BISS + 2048 ppr. RS422 / 10 30 V DC Type of connection tangential cable, 1 m [3.28] PUR a tangential cable, 5 m [16.40] PUR F angential cable, 5 m [16.40] PUR F axial M12 connector, 8-pin ¹¹ Available special lengths (connection type F): 2, 3, 8, 10, 15 m [6.56, 9.84, 26.25, 32.80, 49.21'] order code expansion .XXXX = length in dm ex.: 8.F3673.242F.G312.0030 (for cable length 3 m) 	 Code B = SSI, binary C = BiSS, binary G = SSI, gray Resolution A = 10 bit 2 = 12 bit 3 = 13 bit 4 = 14 bit 7 = 17 bit Optional on request - surface protection salt spray tested - other resolutions

Specifications

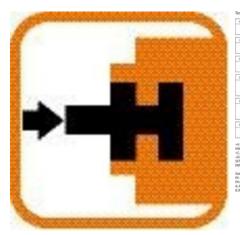
Connection Thread	Cable
Housing diametre	36
IP Class	IP65, IP67
Mounting	Shoulder
Output	SSI
Sensor type	Absolute
Shaft Diameter max	10
Shaft Diameter min	6
Supply Voltage DC Max	30
Supply Voltage DC Min	5
Temperature range from	-40
Temperature range to	90
Version	Singleturn





Y Z 1 m 150 mm 5 m 150 mm

	Interface	Type of convection	Features	Cable													
		-	SSI or BISS.	Signal	GND	1.	N.	+C	-0	1	+0 [-0	SET	10	1.8	Stat	Pf.
	1,2	1,3	SET, DIR, Status	Cable colour:	WH	8	N	GN	YE	1	GY	PK.	80		ID	VT	Shiel
	interface	Type of connection	Features	M12 connector									-				
	1.2	5	SSL or BISS,	Signal: GND			+4		- <	+0		Ð	SET	10	OR Shield		MIPE.
	1.4		SET, DIR	M12 connector	1		2		4		5	6	- 7		8	PH	
	Interface	Type of connection	Features	Cable													
	3.4	1.3	SSI or BISS,	Signal	GND	+16	۰C	-0	+D	-0	SET	DIR	A	Aim	8	Bin	PE
		1,1,2	SET, DIR 2048 SinCos	Cable colour	WH	8N	GN	YE	GY	PK	80	RD	8K	VT	GT-PR	80-8U	Shiek
	Interface	Type of connection	Features	Cable										-			_
		1, 3	SSI or BISS,	Signal:	GND	+V.	÷C	-<	۰D	-0	SET	DR	GNDane		+V _{ant}		PE
14] deep n the cable)	5		SET DIR. Sensor outputs	Cable colour.	WH	8N	GN	YE	GY	PK	90	RD		7	RC	HBU	Shiek
	interface	Type of connection	Features	Cuble													
	6	1,3	SSI or BISS, 2048 SinCos Sensor outputs	Signal: Cable colour	GND WH	+V BN	+C GN	-C 17E	+0 GY	-0 PK	GND, BU	+V _{um} RD	A BK	A unu VT	B GY PK	8 m 10 80	PE Shiek
	Interface	Type of connection		Cable					-		-			-			-
			SSI or BSS.	Signal:	GND		+C	-0	+D	-0	A	Am			ite.		
	2,8 1,3		2048 incr. R5422	Cable colour	WH	6N	GN	vi	GY	PK	88		GY-PK		-813	Shield	
	GND Enc +C, -C Co +D, -D: Dat SET Set DIR Diri bac Stat: Stat PE Pro	ck signal a signal input. The current rction input. If this	y: +V DC y: ground GND (IVI) position becomes defin imput is active, output i when the shaft is turn	values are court		1	lop vi	ew of	4 7	938	e mal	-1 -7	act bi	ise			



interface.	Type of connection	Features	Cable														
1.2	1.3	SSI or B/SS,	Signal	GND	1	W	+C	-0		+0	-0	SET		IRR.	5tat .	PE	
~	1949 1949	SET, DIR, Status	Cable colour:	WH I	8	N	GN	YE	1	GY	PK .	BU	1.0	ID	٧ſ	Shiek	
interface	Type of connection	Features	M12 connector														
1.2	5	SSL or BISS,	Signal:	GND		N.	×C.	-C		+D	Ð	SET	1	XR	Shie	M/PE	
115		SET, DIR	M12 connector	1		2	.1	- 4		5	6	7		.8		PH	
Interface	Type of connection	Features	Cable													-	
3.4		SSI or BISS.	Signal	GND	+12	+C	- 0	+D	-0	SET	DR	A	Aim	8	Bin	PE	
3,4	1,3	SET, DIR, 2048 SINCos	Cable colour	WH	8N	GN	YE	GY	PK	80	80	8K	VT	GT-PR	80-8U	Shield	
Interface	Type of connection	Features	Cable						_								
5	1,3	SSI or BISS.	Signal:	GND	+1	+C	-	+D	-0	SET	DR	GN	here			PE	
		SET DIR.	Cable colour.	WH	8N	GN	YE	GY.	PK	80	RD	1	7			Shield	
		Sensor outputs														_	
interface	Type of connection	Features	Cable														
1		SSI or BISS,	Signal:	GND	.vV	+C	-C	+0	0	GND,	+V _{um}	A	Aw	8	Bire	PE	
6	1,3	2048 SinCos	Cable colour:	WH	8N	ON	YE	GY	PK	80	RD	BK.	VT	GY-PK	80.80	Shield	
		Sensor outputs					_		_			<u> </u>	_	_			
Interface	Type of connection	Features	Cable														
7.8	1.3	SSI or BISS,	Signal:	GND	+11	+C	-C	+D	-0	A	Anv	1.8		lee .			
		2048 incr. R5422	Cable colour	WH	6N	GN	VE	GY	PK	88	VT	GY-PK	RC	181			
CC. Ook DD: Dat T. Set R. Divis back at: Stat : Prof	is signal a signal input. The current ction input. If this iswards (decrease us output active earth a connector hous)		values are court					4 7 5	3	8 2 6	1						
	emental output c																
e Plut								5		6							

