KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX 5853/5873, OPTICAL, SSI, Ø58 MM

SERIE 5853

- Housing diameter Ø58 mm
- SSI-Interface
- High shock resistance
- High degree of enclosure





Product description

Sendix 5853/5873 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. The LED indication facilitates diagnostics of the sensor in place and saves time when troubleshooting.

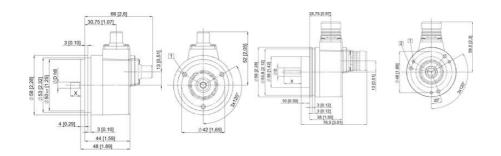
Please refer to the images below for ordering information.

Order code 8.5853 Shaft version			
1 = clamping flange, IP65 ø 58 mm [2.28"] 3 = clamping flange, IP67 ø 58 mm [2.28"] 2 = synchro flange, IP65 ø 58 mm [2.28"] 4 = synchro flange, IP67 ø 58 mm [2.28"] 5 = square flange, IP65 □ 63.5 mm [2.5"] 7 = square flange, IP67 □ 63.5 mm [2.5"] Shaft (ø x L), with flat 1 = 6 x 10 mm [0.24 x 0.39"] 11 2 = 10 x 20 mm [0.39 x 0.79"] 21 3 = 1/4" x 7/8" 4 = 3/8" x 7/8"	Interface / power supply	C	O Inputs / outputs 4/ 2 = SET, DIR input additional status output O Options (service) 1 = no option 2 = status LED 3 = SET button and status LED Optional on request - Ex 2/22 6/ - surface protection salt spray tested - other resolutions

Order code 8.5873 | . |X|X|X|X| . |X|X|2|X Hollow shaft 0000 0000 Flange O Interface / power supply 1 = with spring element, long, IP65 1 = SSI, BiSS / 5 V DC 2 = SSI, BISS / 10 ... 30 V DC 2 = with spring element, long, IP67 3 = with stator coupling, IP65 ø 65 mm [2.56"] 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 5 = SSI, BiSS / 5 V DC, with sensor output 5 = with stator coupling, IP65 ø 63 mm [2.48"] 6 = with stator coupling, IP67 ø 63 mm [2.48"] 6 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output E = with stator coupling, IP65 7 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC 8 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 10 ... 30 V DC mounting without screws 1) F = with stator coupling, IP67 9 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC, with sensor output mounting without screws 1) G = with stator coupling, IP65 Type of connection O Code Inputs / outputs 3) ø 72 mm [2.83"] 1) 2 = radial cable, 1 m [3.28'] PVC B = SSI, binary 2 = SET, DIR input H = with expanding coupling, IP65 B = radial cable, special length PVC *) C = BiSS, binary additional status output ø 65 mm [2.56"] 1) E = tangential cable, 1 m [3.28'] PVC G = SSI, gray F = tangential cable, special length PVC *) Options (service) Through hollow shaft 4 = radial M23 connector, 12-pin O Resolution 3) 1 = no option 3 = ø 10 mm [0.39"] 2 = status LED 6 = radial M12 connector, 8-pin 2) A = 10 bit 4 = ø 12 mm [0.47"] 1 = 11 bit 3 = SET button and status LED *) Available special lengths (connection types B, F): 5 = Ø 14 mm [0.55"] 2 = 12 bit2, 3, 5, 8, 10, 15 m [5.56, 9.84, 16.40, 26.25, 32.80, 49.21'] 6 = ø 15 mm [0.59"] 3 = 13 bit Optional on request order code expansion .XXXX = length in dm 8 = Ø 3/8" - Ex 2/22 (not with type of 4 = 14 bit ex.: 8.5873.542B.G323.0030 (for cable length 3 m) 9 = Ø 1/2" 7 = 17 bit connection E or F) 5) C = 21 bit 4) Tapered shaft surface protection K = ø 10 mm [0.39"] salt spray tested - other resolutions

Specifications

Connection Thread	Cable, M12, M23 contact
Housing diametre	58
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



Signal:	GND	-v	+C	-6	+D	-0	SET	DIR	Stat	NIC	NC	NC	PE
Cable colour:	7001	BN	GN	YE	GY	PK	BU	RO.	BK	-		-	Sheld
M23 connector	1	2	-1	4	5	-6	7	8	9	10	11	12	PH
For output circuit 5 and	d type of corne	ction 1, 2	3 or 4 (2 c	ontrol inp	uts, 1 statu	и очерия.	sensor ou	tputs for w	oltagel				
Signal	GND	+V	+0	-C	+0	-0	SET	DIR	Stat	NC	OV sens	+Ug sem	PE
Cable colour:	1894	IN	GN	YE	GY	PK	90	RD	BK.	-	GY-PK	RD-BU	Shield
M23 connector:	1	2	3	-4	.5	6	7	8	9	10	11	12	PH
For output circuit 3, 4,	7 or 8 and type	of connec	mion 1, 2, 1	or 4 (2 or	entrol Imput	ts, increm	ental trac	R5422 or	SinCoul				
Signal.	GND	+4	+0	-C	+0	-0	SET	DIR	A	Ainv	8	Biny	PE
Cable colour:	1891	BN	GN	YE	GY	PK	8U	RD	BK-	VT.	GY-PK	RD-8U	Shield
M23 connector	1	2	1	4	5	6	7	1	9	10	11	12	PH
for output circuit 6 or	and type of co	enection	1.2.3 or 4	(SinCos e	y locremer	ntal mack	sensor ou	touts for w	ohasel				
Signal.	GND	+V	+C	c	»D	-0	A	Airw	8	Bire	QV servi	+Us sens	PE
Cable colour:	3894	IN	GN	YE	GY	PK	9U	RD	BK.	VT	GY-PK	RD-BU	Shield
M23 connector:	- 3	2	.3	4	5	. 6	2	8	9.	10	11	12	PH
For output circuit 1 or	and type of co	onertion	Saration	noted inc	oral .								
Signal	GAD	+V	+C	-6	+D	-0	SET	DIR	Shie	ISPE	1		
M23 connector:	1	2	3	4	5	6	7	8		11	1		
	er Supply +V DC er Supply Grour								Stat: PE: PH:	Status or Protectiv	e earth	using (shield	n





Cable colour.	3001	BIN	CAN	YE.	GY	PK	80	RO	105			- 1	.579493
M23 connector:	1	2	- 3	4	5	6	7			10	11	12	PH
For output circuit 5 and	type of conne	ction 1, 2,	3 or 4 (2 c	ontrol inp	uts. 1 state	is output.	sensor ou	tputs for s	oltage!				
Signal:	GND	+V	+0	4	+0	-0	SET	DIR	State	NC	OV sens	+U _k sere	PE
Cable colour:	1004	BN	GN	YE	GY	PK	90	RD	BK.		GY-PK	RD-BU	Shield
M23 connector:	- 1	- 2	- 3	-4	.5.	6	7.	8	0	10	11:	12	711
For output circuit 3, 4, 3	or 8 and type	of connec	mion 1, 2, 1	or 4 (2 co	ntrol inpu	ts, increm	ental track	RS422 or	SinCos)	Ainv	8	Binv	PE
										A inv	B GY-PK	Binv RD-BU	PE

MZ3 connector:	- 1	-2	-1	.4	- 5	6	7	- 1	9.	10	15.	12	P91
For output circuit 6 or 5	and type of or	ennection	1,2,3 or 4	(SinCos o	or Increme	ntal track	sensor ou	tputs for w	ohagei				
Signal.	GND	+V	+C	<	*D	-0	A	Aim	8	Bire	QV sens	+U ₅ sens	PE
Cable colour:	3891	BIN	GN	YE	GY	PK.	BU	RD	BK.	VT.	GYPK	RD-BU	Shield
M23 connector	- 3	2	3	4	5	6	7	8	9.	10	11	12	PH



