

#### **OEM Automatic Ltd**

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

**SERIE 5853** 

Kübler

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

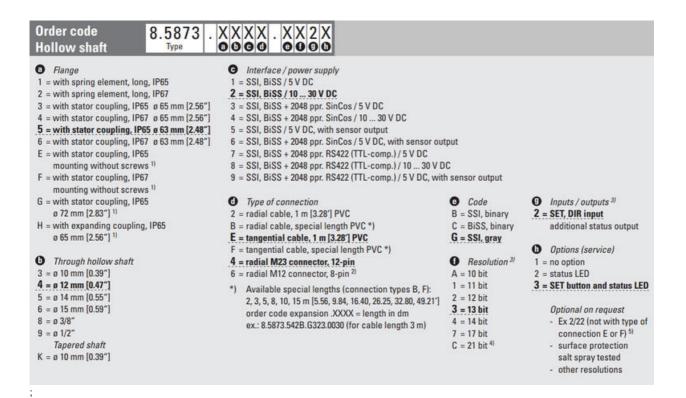


### PRODUCT DESCRIPTION

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.

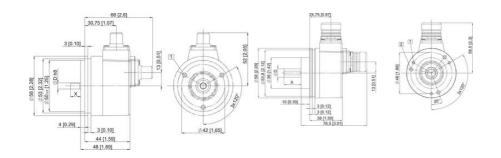
Please refer to the images below for ordering information.

Order code 8.5853 Shaft version Type			
1 = clamping flange, IP65 s 58 mm [2.28"] 3 = clamping flange, IP67 s 58 mm [2.28"] 2 = synchro flange, IP67 s 58 mm [2.28"] 4 = synchro flange, IP67 s 58 mm [2.28"] 5 = square flange, IP67 s 58 mm [2.28"] 7 = square flange, IP67 s 63.5 mm [2.5"]  Shaft (s 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  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 out  7 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC  8 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 10 30 V D  9 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC, with  1 = axial cable, 1 m [3.28'] PVC  A = axial cable, 1 m [3.28'] PVC  B = radial cable, special length PVC *)  2 = radial cable, 1 m [3.28'] PVC  B = radial cable, special length PVC *)  3 = axial M23 connector, 12-pin  4 = radial M23 connector, 12-pin  5 = axial M12 connector, 8-pin 3)  6 = radial M12 connector, 8-pin 3)  *) Available special lengths (connection types A, B):  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.: 8.5853.112A.G323.0030 (for cable length 3 m)	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



## **TECHNICAL DATA**

Connection	Cable, M12, M23 contact
Housing diameter	58 mm
IP class	IP65, IP67
Mounting	Shoulder
Output	SSI
Sensor type	Absolute
Shaft diameter max	10 mm
Shaft diameter min	6 mm
Supply voltage dc max	30 V DC
Supply voltage dc min	5 V DC
Temperature operational max	90 °C
Temperature operational min	-40 °C
Version	Singleturn



Signal:	GND	···V	+C	- (	+D	-0	SET	DIR	Stat	NIC	N/C	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	s output.	sensor ou	tputs for v	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	is, increm	ental trac	k.RS422 or	SinCoul				
Signal.	GND	+4	+0	-C	*D	-0	SET	DIR	A	Ainv	8	Biny	PE
Cable colour:	1001	BN	GN	YE	GY	PK	BU	RD	BK-	VT.	GYPK	IID-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	stal track	sensor ou	touts for w	oltagel				
Signal.	GND	+V	+C	-6	+D	-0.	A	Alin	8	line.	QV servi	+U <sub>s</sub> sens	PE
Cable colour:	7891	IN	GN	YE	GY	PK	90	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	opertion	Saration	noted inc	oral.								
Signal	GND	+V	+C	<	+D	-0	SET	DIR	Shie	IGPE	1		
M23 connector:	1	2	3	4	5	6	7	8		11	1		
	rr Supply +V DC rr Supply Grour								Stat: PE: PH:	Status or Protectiv	e earth	using (shield	





Cable colour.	3001	BIN	CAN	YE.	GY	176	80	RO	100			- 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 <sub>k</sub> sere	PE
Cable colour:	1894	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	tion 1, 2, 1	or 4 (2 co	entrol inpu	ts, increm	sertal track	RS422 or	SinCos)	Ainv	8	Binv	PE
										Ainv	B GYPK	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 <sub>5</sub> 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



