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





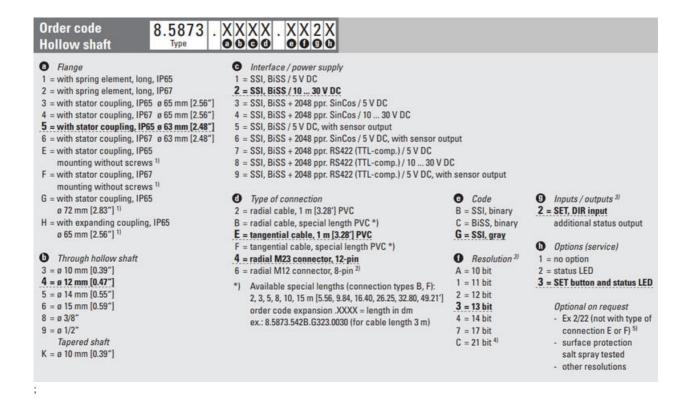
- Housing diameter Ø58 mm
- SSI-Interface
- High shock resistance
- High degree of enclosure

## 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 <sup>™</sup> 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			
<b>b</b> Flange <b>1</b> = clamping flange, IP65 ø 58 mm [2.28"] 3 = clamping flange, IP67 ø 58 mm [2.28"] <b>2</b> = synchro flange, IP65 ø 58 mm [2.28"] 4 = synchro flange, IP67 ø 58 mm [2.28"] 5 = square flange, IP67	<ul> <li>Interface / power supply</li> <li>SSI, BiSS / 5 V DC</li> <li>SSI, BiSS / 1030 V DC</li> <li>SSI, BiSS + 2048 ppr. SinCos / 5 V DC</li> <li>SSI, BiSS + 2048 ppr. SinCos / 1030 V DC</li> <li>SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output</li> <li>SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output</li> <li>SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC</li> <li>SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 1030 V D</li> <li>SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 1030 V D</li> <li>SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 1030 V D</li> <li>SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC, with</li> <li>Type of connection</li> <li>axial cable, 1 m [3.28] PVC</li> <li>A axial cable, 1 m [3.28] PVC</li> <li>B = radial cable, special length PVC *)</li> <li>a axial M23 connector, 12-pin</li> <li>f = radial M12 connector, 8-pin <sup>31</sup></li> <li>Available special lengths (connection types A, B):</li> <li>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)</li> </ul>	c	<ul> <li>Inputs / outputs <sup>4</sup></li> <li>SET, DIR input additional status output</li> <li>Options (service)</li> <li>no option</li> <li>status LED</li> <li>SET button and status LED</li> <li>Optional on request</li> <li>Ex 2/22 <sup>6</sup></li> <li>surface protection salt spray tested</li> <li>other resolutions</li> </ul>

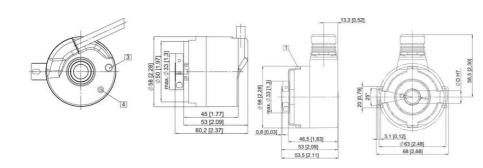


## Specifications

Connection Thread	Cable, M12, M23 contact
Housing diametre	58
IP Class	IP65, IP67
Mounting	Hollow shaft
Output	SSI
Sensor type	Absolute
Shaft Diameter max	15
Shaft Diameter min	10
Supply Voltage DC Max	30
Supply Voltage DC Min	5
Temperature range from	-40
Temperature range to	90

Version

Singleturn



Signal	GND	÷٧	+C	<	+D	-0	SET	DIR	Stat	NIC	NC	N/C	PE
Cable colour.	1001	8N	GN	YE	GY	PK	80	RD	BK			-	Shield
M23 connector:	1	2	1	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 inc	uts. 1 state	a output.	sensor ou	touts for v	Inceste				
Signal.	GND	+V	+0		+0	-0	SET	DIR	564	NC	0V sens	+Ug sere	PE
Cable colour:	1014	<b>IN</b>	GN	YE	GY	PK	90	RD	BK.		GY-PK	RD-BU	Shiek
M23 connector:	1	2	3	- 4	5	6	2	8		10	11	12	PH
For output circuit 3, 4, 3 Signal	or 8 and type	of connect	mion 1, 2, 1 +C	or 4 (2 co	entrol inpu	ts, increm	ental trac	RS422 or DRR	SINCON) A	Am		line	М
Cable colour:	1010	5N	GN	YE	GY	PK	80	RD	BK.	VT	GY-PK	#D-8U	Shield
M23 connector	1	2	1	4	5	6	7	1	9	10	11	12	PH
Cable colour: M23 connector:	- 3	8N 2	GN J	4	GY 5	PK 6	0U 2	RD B	9 9	VT 10	- GY-РК 11	RD-RU 12	Shiek PH
											-		
For output circuit 1 or 3 Signal	and type of co	+V	Sor6 D c	ontrol ing	+D	.0	SET	DIR	SN	65PE	1		
M23 connector	1	2	1	4	5	6	7			11			
	n Supply +V DC n Supply Groun										e earth nector hos put (increm		0



Signal	GND	٩V	÷C	-C	+D	-0	SET	CHR	Stat	NIC	NK	N/C	PE
Cable colour.	1001	8N	GN	YE	GY	PK	8U	RD	BK.			-	Shield
M23 connector:	1	2	3	- 4	5	6	7	8		10	11	12	PH
For output circuit 5 and	type of conno	ction 1, 2,	3 or 4 (2 o	ontrol ing	uts. 1 stats	s output.	sensor ou	tputs for w	(squilo				
Signal.	GND	÷V	-0	c	+0	-0	9.1	DIR	Stat	NC	OV sens	+Ug sera	PE
Cable colour:	1011	IN.	GN	YE	GY	PK	90	RD	BK.		GY-PK	RD-BU	Shiek
M23 connector:	1	2	3	- 4	5	.6	7	8	.9.	10	11	12	PH
	and have a		0	and a		1.00							
For output circuit 3, 4, 7 Signal	GND GND	of connec	900 1, Z, J +C	-c	+D	-D	SET SET	CHEMICALZ OF	A A	Altry		Bey	PI
Cable ( Dear	1010	IN	GN	18	GY	PK	81	80	RK.	VT	CH PK	10.81	Overla
		201										12	PH
M23 connector	1	2	3		5	6	7			10	11		
M23 connector	1	2	3	. 4	5	6	7	1	9	10	- 11	<u>u</u>	- 111
M23 connector									10.1.1	10	11	u	999
									10.1.1	10 Binv	1) QV sere	+U <sub>5</sub> seni	PE
for output circuit 6 or 9	) and type of co	nnection	1, 2, 3 or 4	(SinCos e	e incremie	stal track,	sensor ou	tputs for w	oitage)				н
for output circuit & or S Signal	and type of co	nnection +V	1.2.3 or 4	-C	+D	tal track,	sensor ou A	tputs for w	ohage) B	1 Inv	QV some	+U <sub>S</sub> sens	
for output circuit 6 or 9 Signal Cable colour: M23 connector:	and type of co GND WH J	enection +V EN 2	1,2,30/4 +C GN 3	-C -C YE 4	+D GY S	dal track, O PK	sensor ou A BU	tputs for v A linv RD	ohage) B BK	II Inv VT	OV serve GY-PK	+Us sens RD-RU	PE Shiek
for output circuit 6 or 9 Signal Cable colour:	and type of co GND WH J	enection +V EN 2	1,2,30/4 +C GN 3	-C -C YE 4	+D GY S	dal track, O PK	sensor ou A BU	tputs for v A linv RD	oltage) B BK 9	II Inv VT	OV serve GY-PK	+Us sens RD-RU	PE Shiek
For output circuit 6 or 9 Signal Cable colour: M23 connector: For output circuit 1 or 2	and type of co GND WH 1 t and type of co	enection +V BN 2	1.2.3 or 4 +C GN 3 S or 6 (2 o	C SinCos o C YE 4	+D GY S	-D PK 6	A BU 2	tputs for v A.Ww RD 8	oltage) B BK 9 Shi	II inv VT 10	OV serve GY-PK	+Us sens RD-RU	PE Shiek
For output circuit 6-or 5 Signal. Cable colour: M22 connector: For output circuit 1 or 2 Signal. M23 connector: VM. Encoder Powe CMD. Encoder Powe	And type of co GND 3011 1 Cand type of co GND 1 T Supply +V DC	ensection +V DN 2 ensection +V 2	1,2,3 or 4 +C GN 3 5 or 6 (2 o +C	<ul> <li>SinCos o</li> <li>-C</li> <li>YE</li> <li>4</li> <li>ontrol inp</li> <li>-C</li> </ul>	+D GY 5 unl +D	-D	sensor ou A BU 2 SET	puts for e A.inv RO 8 DiR	okape) B BK 9 Shit FE	II Inv VT 10 66/PE H Status or Protectio	OV serve GY-PK 11 Aput e earth	+U <sub>S</sub> seni RD-BU 12	PE Shek PH
For output circuit 6 or 5 Signal. Cable colour: M23 connector: For output circuit 1 or 2 Signal. M23 connector: M23 connector: M23 connector: M24 connector: M25 connector: M25 connector: M26 connector: M27 connector: M27 connector: M28 connector:	And type of co GND 3011 1 Cand type of co GND 1 T Supply +V DC	ensection +V DN 2 ensection +V 2	1,2,3 or 4 +C GN 3 5 or 6 (2 o +C	<ul> <li>SinCos o</li> <li>-C</li> <li>YE</li> <li>4</li> <li>ontrol inp</li> <li>-C</li> </ul>	+D GY 5 unl +D	-D	sensor ou A BU 2 SET	puts for e A.inv RO 8 DiR	okape) B BK 9 Shit PL PL PH	II Inv VT 10 66/PE H Status or Protectio Phag con	OV sens GV-PK 11 dput e each nector ho	+U <sub>S</sub> sensi RD-BU 12	PE Shek PH
or output circuit 6 or 5 Signal. Cable colour: M23 connector: or output circuit 1 or 2 Signal M23 connector: W. Encoder Powe WD: Encoder Powe	and type of co GND WHI 3 t and type of co GND 1 m Supply +V DC e Supply Groun	ensection +V BN 2 ensection +V 2 d (0V)	1,2,3074 +C GN 3 Sor6(2,0 +C 3	<ul> <li>SinCos o</li> <li>-C</li> <li>YE</li> <li>4</li> <li>ontrol inp</li> <li>-C</li> </ul>	+D GY 5 unl +D	-D	sensor ou A BU 2 SET	puts for e A.inv RO 8 DiR	ohape) B BK 9 Shit PE PE PE A, Airee	II inv VT 10 65/PE H Status ou Protectio Phag con Sine out	OV serve GY-PK 11 Aput e earth	+Ug sens RD-RU 12	PE Shek PH

