

SENDIX 5853/5873, OPTYCZNY, JEDNOOBROTOWY, SSI, Ø58 MM

Enkodery jednoobrotowe absolutne optyczne

SERIE 5853

- Średnica zewnętrzna: Ø 58 mm
- Maks. średnica wałka: Ø 10 mm. Maks. średnica otworu: Ø 15 mm
- SSI, BiSS, + 2048 ppr SinCos, + 2048 ppr RS422
- Maks. rozdzielczość: 21 bitów ST
- Wytrzymała konstrukcja łożysk Safety-Lock™



OPIS PRODUKTU

Enkodery jednoobrotowe Sendix 5853/5873 Kubler z interfejsem SSI lub BiSS oraz optycznym układem pomiarowym mogą zaoferować rozdzielczość do aż 21bitów.

Dostępna jest również dodatkowa ścieżka inkrementalna oraz specjalna wersja do montażu w napędach wind.

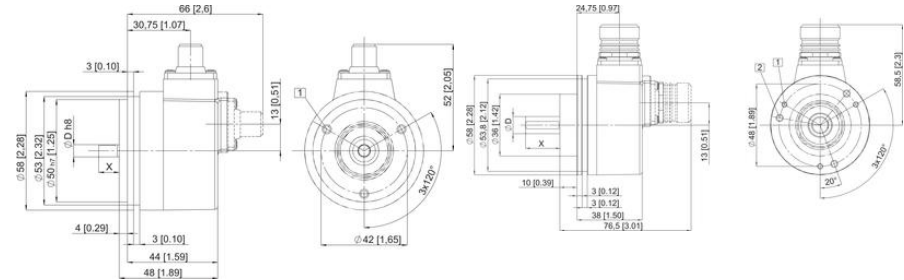
W celu określenia numeru katalogowego proszę o zapoznanie się z poniższymi informacjami.

Order code		8.5853		XXXX		XX2X	
Shaft version		Type		a	b	c	d
				e	f	g	h
a Flange							
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"]					
b Shaft (ø x L), with flat							
1 = 6 x 10 mm [0.24 x 0.39"] ¹⁾							
2 = 10 x 20 mm [0.39 x 0.79"] ²⁾							
3 = 1/4" x 7/8"							
4 = 3/8" x 7/8"							
c 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 (TTL-comp.) / 5 V DC							
8 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 10 ... 30 V DC							
9 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC, with sensor output							
d Type of connection							
1 = axial cable, 1 m [3.28'] PVC							
A = axial 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)							
e Code							
B = SSI, binary							
C = BiSS, binary							
G = SSI, gray							
f Resolution ⁴⁾							
A = 10 bit							
1 = 11 bit							
2 = 12 bit							
3 = 13 bit							
4 = 14 bit							
7 = 17 bit							
C = 21 bit ⁵⁾							
g Inputs / outputs ⁴⁾							
2 = SET, DIR input							
additional status output							
h 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 Hollow shaft		8.5873	.	X	X	X	X	.	X	X	2	X
		Type		a	b	c	d		e	f	g	h
a Flange		c Interface / power supply										
1 = with spring element, long, IP65		1 = SSI, BiSS / 5 V DC										
2 = with spring element, long, IP67		2 = SSI, BiSS / 10 ... 30 V DC										
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 = with stator coupling, IP65 ø 63 mm [2.48"]		5 = SSI, BiSS / 5 V DC, with sensor output										
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 mounting without screws ¹⁾		7 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC										
F = with stator coupling, IP67 mounting without screws ¹⁾		8 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 10 ... 30 V DC										
G = with stator coupling, IP65 ø 72 mm [2.83"] ¹⁾		9 = SSI, BiSS + 2048 ppr. RS422 (TTL-comp.) / 5 V DC, with sensor output										
H = with expanding coupling, IP65 ø 65 mm [2.56"] ¹⁾												
b Through hollow shaft		d Type of connection										
3 = ø 10 mm [0.39"]		2 = radial cable, 1 m [3.28"] PVC										
4 = ø 12 mm [0.47"]		B = radial cable, special length PVC *)										
5 = ø 14 mm [0.55"]		E = tangential cable, 1 m [3.28"] PVC										
6 = ø 15 mm [0.59"]		F = tangential cable, special length PVC *)										
8 = ø 3/8"		4 = radial M23 connector, 12-pin										
9 = ø 1/2"		6 = radial M12 connector, 8-pin ²⁾										
Tapered shaft		*) Available special lengths (connection types B, F):										
K = ø 10 mm [0.39"]		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.: 8.5873.542B.G323.0030 (for cable length 3 m)										
		e Code										
		B = SSI, binary										
		C = BiSS, binary										
		G = SSI, gray										
		f Resolution ³⁾										
		A = 10 bit										
		1 = 11 bit										
		2 = 12 bit										
		3 = 13 bit										
		4 = 14 bit										
		7 = 17 bit										
		C = 21 bit ⁴⁾										
		g Inputs / outputs ³⁾										
		2 = SET, DIR input										
		additional status output										
		h Options (service)										
		1 = no option										
		2 = status LED										
		3 = SET button and status LED										
		Optional on request										
		- Ex 2/22 (not with type of connection E or F) ⁵⁾										
		- surface protection										
		salt spray tested										
		- other resolutions										

SPECYFIKACJA TECHNICZNA

Montaż	Wał
Napięcie zasilania DC max.	30 V DC
Napięcie zasilania DC min.	5 V DC
Podłączenie	Kabel, Złącze M12, Złącze M23
Średnica obudowy	58 mm
Średnica wału max	10 mm
Średnica wału min	6 mm
Stopień ochrony IP	IP65, IP67
Typ czujnika	Absolutny
Wersja	Jednoobrotowy
Wyjście	SSI
Zakres temperatur do	90 °C
Zakres temperatur od	-40 °C



For output circuit 1 or 2 and type of connection 1, 2, 3 or 4 (2 control inputs, 1 status output)

Signal	GND	+V	+C	-C	+D	-D	SET	DIR	Stat	N/C	N/C	N/C	PE
Cable colour:	WH	BN	GN	YE	GY	PK	BU	RD	BK	-	-	-	Shield
M12 connector:	1	2	3	4	5	6	7	8	9	10	11	12	Pin

For output circuit 1 and type of connection 1, 2, 3 or 4 (2 control inputs, 1 status output, sensor outputs for voltage)

Signal	GND	+V	+C	-C	+D	-D	SET	DIR	Stat	N/C	0V sense	+5V sense	PE
Cable colour:	WH	BN	GN	YE	GY	PK	BU	RD	BK	-	GY-PK	RD-BU	Shield
M12 connector:	1	2	3	4	5	6	7	8	9	10	11	12	Pin

For output circuit 3, 4, 7 or 8 and type of connection 1, 2, 3 or 4 (2 control inputs, incremental track M12 or SinCos)

Signal	GND	+V	+C	-C	+D	-D	SET	DIR	A	A Inv	B	B Inv	PE
Cable colour:	WH	BN	GN	YE	GY	PK	BU	RD	BK	VT	GY-PK	RD-BU	Shield
M12 connector:	1	2	3	4	5	6	7	8	9	10	11	12	Pin

For output circuit 5 or 9 and type of connection 1, 2, 3 or 4 (SinCos or incremental track, sensor outputs for voltage)

Signal	GND	+V	+C	-C	+D	-D	A	A Inv	B	B Inv	0V sense	+5V sense	PE
Cable colour:	WH	BN	GN	YE	GY	PK	BU	RD	BK	VT	GY-PK	RD-BU	Shield
M12 connector:	1	2	3	4	5	6	7	8	9	10	11	12	Pin

For output circuit 1 or 2 and type of connection 5 or 6 (2 control inputs)

Signal	GND	+V	+C	-C	+D	-D	SET	DIR	Shield/PE
M12 connector:	1	2	3	4	5	6	7	8	Pin

+V: Encoder Power Supply +VDC

GND: Encoder Power Supply Ground (0V)

+C, -C: Clock signal

+D, -D: Data signal

SET: Set input. The current position is set to zero

DIR: Direction input. If this input is active, the output values are counted backwards (decrease) when the shaft is turning clockwise

Stat: Status output

PE: Protective earth

Pin: Plug connector housing (shield)

A, A Inv: Sine output (incremental)

B, B Inv: Cosine output (incremental)

Top view of mating side, male contact base



M12 connector, 8 pin



M12 connector, 12 pin