

SENDIX F3653/F3673, OPTYCZNY, JEDNOOBROTOWY, SSI, Ø36 MM

Enkodery jednoobrotowe absolutne optyczne

SERIE F3653



- Średnica zewnętrzna: Ø 36 mm
- Maks. średnica wałka: Ø 10 mm. Maks. średnica otworu: Ø 10 mm
- Maks. rozdzielczość: 17 bitów ST
- SSI, BiSS, + 2048 ppr SinCos, + 2048 ppr RS422
- Temp. pracy: -40 do +90 ° C

OPIS PRODUKTU

Enkodery jednoobrotowe serii Sendix F36 Kubler z opatentowaną Technologią Inteligentnego Pomiaru (Intelligent Scan Technology™) oraz interfejsem SSI lub BiSS są wyjątkowo wytrzymałe i kompaktowe.

Przy rozmiarze zaledwie 36 x 42 mm dostępne są wersje z otworem przelotowym do 8 mm, a przy otworze nieprzelotowym do 10 mm.

Wysoka precyzja wykonania umożliwia uzyskanie rozdzielczości do 17 bitów.

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

Order code	8.F3653	.XXXXX.XX12
Shaft version	Type	
a Flange	c Interface / power supply	e Code
1 = clamping flange, IP67, ø 36 mm [1.42"]	1 = SSI, BiSS / 5 V DC	B = SSI, binary
3 = clamping flange, IP65, ø 36 mm [1.42"]	2 = SSI, BiSS / 10 ... 30 V DC	C = BiSS, binary
2 = synchro flange, IP67, ø 36 mm [1.42"]	3 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC	G = SSI, gray
4 = synchro flange, IP65, ø 36 mm [1.42"]	4 = SSI, BiSS + 2048 ppr. SinCos / 10 ... 30 V DC	
b Shaft (ø x L), with flat	5 = SSI, BiSS / 5 V DC, with sensor output	f Resolution
1 = ø 6 x 12.5 mm [0.24 x 0.49"]	6 = SSI, BiSS + 2048 ppr. SinCos / 5 V DC, with sensor output	A = 10 bit
3 = ø 8 x 15 mm [0.32 x 0.59"]	7 = SSI, BiSS + 2048 ppr. RS422 / 5 V DC	2 = 12 bit
5 = ø 10 x 20 mm [0.39 x 0.79"]	8 = SSI, BiSS + 2048 ppr. RS422 / 10 ... 30 V DC	3 = 13 bit
2 = ø 1/4" x 12.5 mm [0.49"]	d Type of connection	4 = 14 bit
4 = ø 3/8" x 5/8"	1 = tangential cable, 1 m [3.28] PUR	7 = 17 bit
	3 = tangential cable, 5 m [16.40] PUR	
	F = tangential cable, special length PUR *)	
	8 = axial M12 connector, 8-pin ¹⁾	
	*) 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)	
		Optional on request
		- surface protection
		salt spray tested
		- other resolutions

Order code

Hollow shaft

8.F3673

Type

X

a

X

b

X

c

X

d

X

e

X

f

12

a Flange

1 = with spring element, short, IP65

3 = with spring element, long, IP65

2 = with stator coupling, IP65, ø 46 mm [1.81"]

b Through hollow shaft

1 = ø 6 mm [0.24"]

3 = ø 8 mm [0.32"]

2 = ø 1/4"

Blind hollow shaft

(insertion depth max. 14.5 mm [0.57"])

4 = ø 10 mm [0.39"]

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 / 5 V DC

8 = SSI, BiSS + 2048 ppr. RS422 / 10 ... 30 V DC

d Type of connection

1 = tangential cable, 1 m [3.28] PUR

3 = tangential cable, 5 m [16.40] PUR

F = tangential cable, special length PUR *)

8 = axial M12 connector, 8-pin ¹⁾

*) 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.F3673.242FG312.0030 (for cable length 3 m)

e Code

B = SSI, binary

C = BiSS, binary

G = SSI, gray

f 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

SPECYFIKACJA TECHNICZNA

Montaż	Wał
Napięcie zasilania DC max.	30 V DC
Napięcie zasilania DC min.	5 V DC
Podłączenie	Kabel
Średnica obudowy	36 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

Synchro flange, ø 36 mm

Clamping flange, ø 36 mm

Y Z

1 m	150 mm
5 m	150 mm

M12 4 (0.24) deep

Battery (in the cable)

Interface	Type of connection	Features	Cable
1, 2	1, 3	SSI or BiSS, SET, DIR, Status	Signal: GND +V +C -C +D -D SET DIR Stat PE Cable colour: WH BN GN YE GR PK BU RD BK VT CP PK SC BU Shield
Interface	Type of connection	Features	Cable
1, 2	5	SSI or BiSS, SET, DIR	M12 connector Signal: GND +V +C -C +D -D SET DIR Shield/PE Cable colour: WH BN GN YE GR PK BU RD BK VT CP PK SC BU Shield
Interface	Type of connection	Features	Cable
3, 4	1, 3	SSI or BiSS, SET, DIR, 2048 SinCos	Signal: GND +V +C -C +D -D SET DIR A A inc B B inc PE Cable colour: WH BN GN YE GR PK BU RD BK VT CP PK SC BU Shield
Interface	Type of connection	Features	Cable
5	1, 3	SSI or BiSS, SET, DIR, Sensor outputs	Signal: GND +V +C -C +D -D SET DIR GND inc +V inc PE Cable colour: WH BN GN YE GR PK BU RD BK VT CP PK SC BU Shield
Interface	Type of connection	Features	Cable
6	1, 3	SSI or BiSS, SET, DIR, Sensor outputs	Signal: GND +V +C -C +D -D GND inc +V inc PE Cable colour: WH BN GN YE GR PK BU RD BK VT CP PK SC BU Shield
Interface	Type of connection	Features	Cable
7, 8	1, 3	SSI or BiSS, 2048 SinCos, RS422	Signal: GND +V +C -C +D -D A A inc B B inc PE Cable colour: WH BN GN YE GR PK BU RD BK VT CP PK SC BU Shield

+V Encoder power supply +V DC
GND Encoder power supply ground (GND DIN)
+C -C Clock signal
+D -D Data signal
SET Set input. The current position becomes defined as position zero.
DIR Direction input. If this input is active, output values are counted backwards (decreased) when the shaft is turning clockwise.
Stat Status output
PE Protective earth
PK Plug connector housing (Shield)
A A inc Incremental output channel A
B B inc Incremental output channel B

Top view of mating side, male contact base

M12 connector, 8 pin

