

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	.XXXX.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

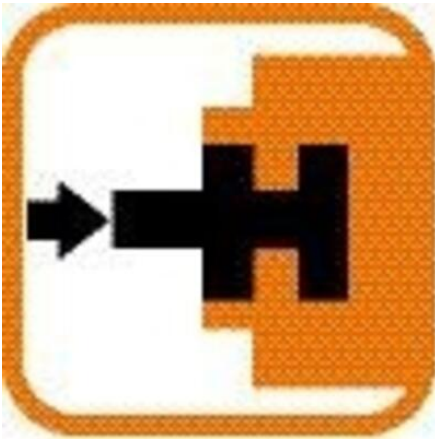
Terminal assignment												
Interface	Type of connector	Features	Cable	GND	+V	+C	+D	+S	DET	DB	Stat	FE
1, 2	1, 3	10 or B05, DET, DB, Stat, Shield	Cable Signal	GND	+V	+C	+D	+S	DET	DB	Stat	FE
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	Shield
Interface	Type of connector	Features	M12 connector									
1, 2	5	10 or B05, DET, DB, Stat, Shield	M12 connector Signal	GND	+V	+C	+D	+S	DET	DB	Stat	FE
			M12 connector Signal	1	2	3	4	5	6	7	8	Pin
Interface	Type of connector	Features	Cable									
3, 4	1, 3	10 or B05, DET, DB, 2048 DIN	Cable Signal	GND	+V	+C	+D	+S	DET	DB	A	B
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	GY/BN or RY/BN
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	Shield
Interface	Type of connector	Features	Cable									
5	1, 3	10 or B05, DET, DB, Stat, Sensor outputs	Cable Signal	GND	+V	+C	+D	+S	DET	DB	Stat	FE
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	Shield
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	Shield
Interface	Type of connector	Features	Cable									
6	1, 3	10 or B05, 2048 DIN, Sensor outputs	Cable Signal	GND	+V	+C	+D	+S	DET	DB	A	B
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	Shield
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	Shield
Interface	Type of connector	Features	Cable									
7, 8	1, 3	10 or B05, 2048 DIN, RM232	Cable Signal	GND	+V	+C	+D	+S	A	B	B+	FE
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	Shield
			Cable Signal	WH	BN	CN	YE	GY	PK	BR	VT	Shield

+V Encoder power supply (+5V)
GND Encoder power supply ground (GND)
+C Clock signal
+D Data signal
+S Set/Stop. The current position becomes the position after.
Direction input Pin 19 is active, unless otherwise are connected
Stat Status indicator (when the shaft is turning clockwise)
DB Status output
A Incremental output (channel A)
B Incremental output (channel B)

Top view of mating side, male contact base



M12 connector, 6 pins



Terminal assignment														
Interface	Type of connector	Features	Cable											
1, 2	1, 3	15V or BISS, SET, DIR, Status	Signal	GND	+V	+C	-C	+D	-D	SET	DIR	Status	PE	
			Cable colour	WH	BN	GN	YE	GY	PK	BU	RD	VT	Shield	
Interface	Type of connector	Features	M12 connector											
1, 2	5	15V or BISS, SET, DIR	Signal	GND	+V	+C	-C	+D	-D	SET	DIR	Shield/PE		
			M12 connector	1	2	3	4	5	6	7	8	Pin		
Interface	Type of connector	Features	Cable											
5, 6	1, 3	15V 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	GY	PK	BU	RD	BK	VT	CP/PK/ID/BU/ Shield
Interface	Type of connector	Features	Cable											
5	1, 3	15V or BISS, SET, DIR, Sensor outputs	Signal	GND	+V	+C	-C	+D	-D	SET	DIR	GND inc	+C inc	PE
			Cable colour	WH	BN	GN	YE	GY	PK	BU	RD	VT	RD/BU	Shield
Interface	Type of connector	Features	Cable											
8	1, 3	15V or BISS, 2048 SinCos Sensor outputs	Signal	GND	+V	+C	-C	+D	-D	GND inc	+V inc	A, A inc	B, B inc	PE
			Cable colour	WH	BN	GN	YE	GY	PK	BU	RD	BK	VT	CP/PK/ID/BU/ Shield
Interface	Type of connector	Features	Cable											
7, 8	1, 3	15V or BISS, 2048 Inc. RS422	Signal	GND	+V	+C	-C	+D	-D	A	A inc	B	B inc	PE
			Cable colour	WH	BN	GN	YE	GY	PK	BK	VT	CP/PK	RD/BU	Shield

+V Encoder power supply +V DC
GND Encoder power supply ground GND (0V)
+C Clock signal
-C 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
Pin Plug connector housing (DIN48)
A, A inc Incremental output channel A
B, B inc Incremental output channel B

Top view of mating side, male contact base

3 8 2

4 7 1

5 6

M12 connector, 8 pin