

**SENDIX F5863/5883, OPTYCZNY,
WIELOBROTOWY, SSI, Ø58 MM**

Enkodery wieloobrotowe absolutne optyczne

SERIE F5863

- Średnica zewnętrzna: Ø 58 mm
- Maks. średnica wałka: Ø 10 mm. Maks. średnica otworu: Ø 15 mm
- Maks. rozdzielczość: 17 bitów ST + 24 bitów MT
- SSI, BiSS, + 2048 ppr SinCos, + 2048 ppr RS422
- Safety-Lock™



OPIS PRODUKTU

Enkodery absolutne wielobrotowe F5863/5883 o całkowitej rozdzielczości do 41 bitów.

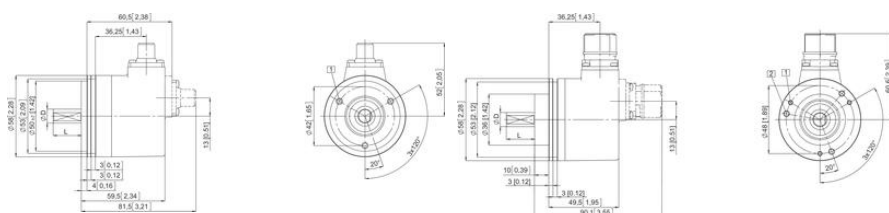
Wielokrotnie nagradzana i chroniona patentem technologia Intelligent Scan™ rodziny enkoderów F-Multiturn firmy Kübler ma teraz zastosowanie w enkoderze o standardowym wymiarze 58 mm.

Cechy:

- całkowitą rozdzielczość 41 bitów (17 bitów jednoobrotowe / 24 bity wieloobrotowe)
- wyjście SSI lub BiSS-C, opcjonalnie dodatkowy wyjście inkrementalne, Sin/Cos
- obudowa z odlewanego ciśnieniowo stopu cynku
- budowa łożysk Safety Lock™ gwarantuje bardzo wysoką odporność wału na obciążenia osiowe i promieniowe
- w 100% odporne na zakłócenia magnetyczne
- częstotliwości taktowania do 2 MHz SSI / 10 MHz BiSS-C

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

Order code Shaft version	8.F5863 Type								
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"]	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	e Code B = SSI, binary C = BiSS, binary G = SSI, gray	g Resolution (multiturn) ⁴⁾ 2 = 12 bit MT 6 = 16 bit MT 4 = 24 bit MT						
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"	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⁾	f Resolution (singleturn) ⁴⁾ B = 9 bit ST A = 10 bit ST 1 = 11 bit ST 2 = 12 bit ST 3 = 13 bit ST 4 = 14 bit ST 7 = 17 bit ST	h Options (service) 1 = no option 2 = status LED 3 = SET button and status LED						
*) 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.F5863.122A.G323.0030 (for cable length 3 m)									
Optional on request - Ex 2/22 ⁵⁾ - surface protection salt spray tested - other singleturn resolutions									

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Interface	Type of connector	Features	Cable (isolate unused wires individually before initial start-up)															
1, 2	1, 2, A, B, E, F	SET, DIR, Status	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	Stat	N/C	N/C	N/C	H		
		Cable colour:	WH	BN	GN	YE	GF	PK	BU	RD	BK	-	-	-	-	-	-	(shield)
Interface	Type of connector	Features	M23 connector															
1, 2	3, 4	SET, DIR, Status	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	Stat	N/C	N/C	N/C	H		
		Cable colour:	WH	BN	GN	YE	GF	PK	BU	RD	BK	-	-	-	-	-	-	(shield)
		Pin:	1	2	3	4	5	6	7	8	9	10	11	12	Pin			
Interface	Type of connector	Features	Cable (isolate unused wires individually before initial start-up)															
5	1, 2, A, B, E, F	SET, DIR, Status	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	Stat	N/C	N/C	N/C	H		
		sensor output:	WH	BN	GN	YE	GF	PK	BU	RD	BK	-	-	-	-	-	-	(shield)
Interface	Type of connector	Features	M23 connector															
5	3, 4	SET, DIR, Status	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	Stat	N/C	N/C	N/C	H		
		sensor output:	WH	BN	GN	YE	GF	PK	BU	RD	BK	-	-	-	-	-	-	(shield)
		Pin:	1	2	3	4	5	6	7	8	9	10	11	12	Pin			
Interface	Type of connector	Features	Cable (isolate unused wires individually before initial start-up)															
3, 4, 5, 6	1, 2, A, B, E, F	SET, DIR, SinCos	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	A	B	B	B	H		
		or inc. RS422	Cable colour:	WH	BN	GN	YE	GF	PK	BU	RD	BK	VT	GF-PK	RD-BU	(shield)		
Interface	Type of connector	Features	M23 connector															
3, 4, 7, 8	3, 4	SET, DIR, SinCos	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	A	B	B	B	H		
		or inc. RS422	Pin:	1	2	3	4	5	6	7	8	9	10	11	12	Pin		
Interface	Type of connector	Features	Cable (isolate unused wires individually before initial start-up)															
6	1, 2, A, B, E, F	SinCos a, inc. RS422	Signal:	0 V	+V	C+	C-	D+	D-	A	B	B	B	B	B	H		
		sensor output:	WH	BN	GN	YE	GF	PK	BU	RD	BK	VT	GF-PK	RD-BU	(shield)			
Interface	Type of connector	Features	M23 connector															
6	3, 4	SinCos a, inc. RS422	Signal:	0 V	+V	C+	C-	D+	D-	A	B	B	B	B	B	H		
		sensor output:	Pin:	1	2	3	4	5	6	7	8	9	10	11	12	Pin		
Interface	Type of connector	Features	M17 connector															
1, 2	5, 6	SET, DIR	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	H						
		Pin:	1	2	3	4	5	6	7	8	Pin							

+V Encoder power supply +V DC
0 V Encoder power supply ground GND (0 V)
0 Vaux / +Vaux Using the sensor outputs of the encoders the voltage present can be measured and if necessary increased accordingly.
C+ C- Click signal
D+ D- Data signal
A, B Incremental output channel A (cosine)
B, B Incremental output channel B (sine)
SET Set input. The current position becomes defined as position zero.
DIR Direction input. If this input is active, output values are counted backwards (decrease) when the shaft is turning clockwise.
Stat Status output
Pin H Plug connector housing (shield)

