KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX M3663 / M3683, MAGNETIC, SSI, Ø36 MM

SERIE M3663

- Housing diameter Ø36 mm
- SSI interface
- New multicolor technology
- IP67



Product description

Sendix M3663 / M3683 is a magnetically encoded absolute encoder with the latest in multicore technology with "Energy Harvesting". Energy Harvesting technology is based on magnetic recharging, eliminating both battery and gear.

With its magnetic coding, the pulse sensor becomes more shockproof and insensitive. The high IP rating allows the Sendix M3663 / M3683 for outdoor environments and mobile applications.

Please refer to the images below for ordering information.

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Flange Include: Inclu	Type of connection	Resolution (singleturn)			
1 = clamping flange, IP67, ø 36 mm [1.42"]	1 = axial cable, 1 m [3.28'] PUR	A = 10 bit ST			
3 = clamping flange, IP65, ø 36 mm [1.42"]	A = axial cable, special length PUR *)	2 = 12 bit ST			
2 = synchro flange, IP67, ø 36 mm [1.42"]	2 = radial cable, 1 m [3.28'] PUR	3 = 13 bit ST			
4 = synchro flange, IP65, ø 36 mm [1.42"]	B = radial cable, special length PUR *) 3 = axial M12 connector, 8-pin	4 = 14 bit ST			
Shaft (ø x L), with flat	4 = radial M12 connector, 8-pin	Resolution (multiturn)			
1 = Ø 6 x 12.5 mm [0.24 x 0.49"]		2 = 12 bit MT			
3 = ø 8 x 15 mm [0.32 x 0.59"]	*) Available special lengths (connection types A, B):	6 = 16 bit MT			
5 = Ø 10 x 20 mm [0.39 x 0.79"]	2, 3, 5, 8, 10, 15 m [5.56, 9.84, 16.40, 26.25, 32.80, 49.21']	A = 20 bit MT			
2 = ø 1/4" x 12.5 mm [0.49"]	order code expansion .XXXX = length in dm ex.: 8.M3663.432A.G322.0030 (for cable length 3 m)	4 = 24 bit MT			
G Interface / power supply	Code	Optional on request			
2 = SSI / 10 30 V DC	B = SSI, binary	- Ex 2/22 (only for connection types 3 and 4			
	G = SSI, gray	- surface protection salt spray tested			

8.M3683 . XXX2X . XXX2 Order code 0000 000 **Hollow shaft** Flange Type of connection 2 = with stator coupling, IP65, ø 46 mm [1.81"] 3 = with spring element, long, IP65 5 = with stator coupling, IP67, ø 46 mm [1.81"]

Blind hollow shaft (insertion depth max. 18.5 mm [0.73"])

6 = with spring element, long, IP67

1 = ø 6 mm [0.24"]

 $3 = \emptyset 8 \text{ mm} [0.32"]$ 4 = ø 10 mm [0.39"]

2 = Ø 1/4"

6 Interface / power supply 2 = SSI / 10 ... 30 V DC

1 = axial cable, 1 m [3.28'] PUR

A = axial cable, special length PUR *)

2 = radial cable, 1 m [3.28'] PUR

B = radial cable, special length PUR *)

3 = axial M12 connector, 8-pin

4 = radial M12 connector, 8-pin

*) 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.M3683.242A.G322.0030 (for cable length 3 m)

B = SSI, binary

G = SSI, gray

Resolution (singleturn)

A = 10 bit ST

2 = 12 bit ST

3 = 13 bit ST

4 = 14 bit ST

Resolution (multiturn)

2 = 12 bit MT

6 = 16 bit MT

A = 20 bit MT 4 = 24 bit MT

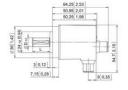
Optional on request

- Ex 2/22 (only for connection types 3 and 4)

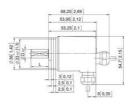
- surface protection salt spray tested

Specifications

Connection Thread	Cable, M12
Housing diametre	36
IP Class	IP65, IP67
Mounting	Shoulder
Output	SSI
Resolution Envarv	10-14 bit
Resolution More Yards	Max. 24 bit
Sensor type	Absolute
Shaft Diameter max	10
Shaft Diameter min	6
Supply Voltage DC Max	30
Supply Voltage DC Min	10
Temperature range from	-40
Temperature range to	85
Version	Multiturn













Interface	Type of connection	features	Cable (solate unused wires individually before initial start-up)									
2	1,2,4,8	SET, DIR	Signal:	OV	+V	C+	C-	D+	0	SET	DIR	н
			Cable colour:	WH	BN	GN	YE	O.	PK	BU	RD.	shield
Interface	Type of connection	Features :	M12 connector.	8-pin								
Interface 2	Type of connection 3, 4	Features SET, DIR	M12 connector, Signal:	8-pin 0 V	+V	C+	C-	D+	D-	SET	DIR	н

