

0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

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.

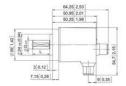
Please refer to the images below for ordering information.

Order code Shaft version 8.M3663		
Tlange 1 = clamping flange, IP67, Ø 36 mm [1.42"] 3 = clamping flange, IP65, Ø 36 mm [1.42"] 2 = synchro flange, IP65, Ø 36 mm [1.42"] 4 = synchro flange, IP65, Ø 36 mm [1.42"] Shaft (Ø x L), with flat 1 = Ø 6 x 12.5 mm [0.24 x 0.49"] 3 = Ø 8 x 15 mm [0.32 x 0.59"] 5 = Ø 10 x 20 mm [0.39 x 0.79"] 2 = Ø 1/4" x 12.5 mm [0.49"]	Type of connection 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.M3663.432A.G322.0030 (for cable length 3 m)	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
O Interface / power supply 2 = SSI / 10 30 V DC	O Code B = SSI, binary G = SSI, gray	Optional on request - Ex 2/22 (only for connection types 3 and 4) - surface protection salt spray tested

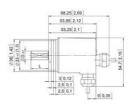
8.M3683 . XXX2X . XXX2 Order code 0000 000 **Hollow shaft** Type of connection Resolution (singleturn) 2 = with stator coupling, IP65, ø 46 mm [1.81"] 1 = axial cable, 1 m [3.28'] PUR A = 10 bit ST 3 = with spring element, long, IP65 A = axial cable, special length PUR *) 2 = 12 bit ST 5 = with stator coupling, IP67, ø 46 mm [1.81"] 2 = radial cable, 1 m [3.28'] PUR 3 = 13 bit ST 6 = with spring element, long, IP67 B = radial cable, special length PUR *) 4 = 14 bit ST 3 = axial M12 connector, 8-pin Blind hollow shaft 4 = radial M12 connector, 8-pin Resolution (multiturn) 2 = 12 bit MT (insertion depth max. 18.5 mm [0.73"]) *) Available special lengths (connection types A, B): $1 = \emptyset 6 \text{ mm} [0.24"]$ 6 = 16 bit MT 2, 3, 5, 8, 10, 15 m [5.56, 9.84, 16.40, 26.25, 32.80, 49.21'] $3 = \emptyset 8 \text{ mm} [0.32"]$ order code expansion .XXXX = length in dm A = 20 bit MT 4 = ø 10 mm [0.39"] 4 = 24 bit MT ex.: 8.M3683.242A.G322.0030 (for cable length 3 m) 2 = Ø 1/4" Optional on request 6 Interface / power supply B = SSI, binary - Ex 2/22 (only for connection types 3 and 4) 2 = SSI / 10 ... 30 V DC G = SSI, gray - surface protection salt spray tested

TECHNICAL DATA

Connection	Cable, M12
Housing diameter	36 mm
IP class	IP65, IP67
Mounting	Shoulder
Output	SSI
Resolution MT	Max. 24 bit
Resolution ST	10-14 bit
Sensor type	Absolute
Shaft diameter max	10 mm
Shaft diameter min	6 mm
Supply voltage dc max	30 V DC
Supply voltage dc min	10 V DC
Temperature operational max	85 °C
Temperature operational min	-40 °C
Version	Multiturn















Interface	Type of connection	features	Cable (solate unused wires individually before initial start-up)									
2 1,2,8,8		SET, DIR	Signal:	OV	+V	C+	C-	D+	0	SET	DIR	н
- 1	1,2,4,0		Cable colour:	WH	BN	GN	YE	O.	PK	BU	FD.	shield
Interface	Type of connection	Features	M12 connector	8-pin								
2	3,4	SET, DIR	Signal:	ov	.+V	C+	Ç-	D+	D-	SET	DIR	н
	3,4		Pin:	1	2	3	4	5	6	2	. 8	PH
	Encoder power:		la de la constante de la const		Topy	riew of ma	eting side	, male co				
eV OV. Ce, Ce De, De SET: DIR	Encoder power: Clock signal Data signal Set input. The ou Direction input:	inpply ground innent position if this input is a yase) when the	becomes defined as p ctive, output values a r shaft is turning clock	ore counte	ro.	new of mo	eting sid	, male co	ntact ba			

