KUEBLER - ABSOLUTE-CODED ANGULAR TRANSMITTER SENDIX M3663R, MAGNETIC, SSI, Ø36 MM

SERIE M3663R

- Housing diameter Ø36 mm
- SSI
- Up to IP69K
- Stainless steel

Product description

Sendix M3663R is a magnetically encoded absolute encoder with the latest in multi-color technology with "Energy Harvesting". Energy Harvesting technology is based on magnetic recharging, eliminating both battery and gear.

In addition to multi-color technology, the M3663R has been equipped with extra strong ball bearings and secure attachments, also known as "Safety-Lockplus ™".

A unique multifarve pulse sensor with high IP classifications: IP66, IP67 and IP69K, available in stainless steel (V4A).

Please refer to the image below for ordering information.

Order code 8.M3663R.XX2X.XXX2
Shaft version Type (a b c d e f g)

a *Version*
1 = standard [1]
clamping flange ø 42 mm [1.65"]
7 = stainless steel V4A [2]
clamping flange ø 42 mm [1.65"]
all metal parts accessible from outside are out of stainless steel V4A

b *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"]
E = ø 10 x 20 mm [0.39 x 0.79"], stainless steel V4A

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

d *Type of connection*
2 = radial cable, 1 m [3.28'] PUR
B = radial cable, special length PUR *)
4 = radial M12 connector, 8-pin
*) Available special lengths (connection type 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.M3663R.132B.G322.0030 (for cable length 3 m)

e *Code*
B = SSI, binary
G = SSI, gray

f *Resolution (singleturn)*
A = 10 bit ST
2 = 12 bit ST
3 = 13 bit ST
4 = 14 bit ST

g *Resolution (multiturn)*
2 = 12 bit MT
6 = 16 bit MT
A = 20 bit MT
4 = 24 bit MT

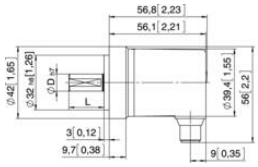
Optional on request
- Ex 2/22 (only for connection type 4)
- other shaft diameters out of V4A stainless steel

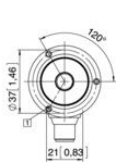
;

Specifications

Connection Thread	Cable, M12
Housing diametre	36
IP Class	IP66, IP67, IP69K
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 (isolate unused wires individually before initial start-up)									
2	2, 8	SET, DIR	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	H
			Cable colour:	WH	BN	GN	YE	GY	PK	BU	RD	shield

Interface	Type of connection	Features	M12 connector, 8-pin								
2	4	SET, DIR	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	H
			Pin:	1	2	3	4	5	6	7	8	PH

+V: Encoder power supply +V DC
0 V: Encoder power supply ground GND (0 V)
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 (decrease) when the shaft is turning clockwise.
PH H: Plug connector housing (shield)

Top view of mating side, male contact base

M12 connector, 8-pin

Interface	Type of connection	Features	Cable (isolate unused wires individually before initial start-up)									
2	2, 8	SET, DIR	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	H
			Cable colour:	WH	BN	GN	YE	GY	PK	BU	RD	shield

Interface	Type of connection	Features	M12 connector, 8-pin								
2	4	SET, DIR	Signal:	0 V	+V	C+	C-	D+	D-	SET	DIR	H
			Pin:	1	2	3	4	5	6	7	8	PH

+V: Encoder power supply +V DC
0 V: Encoder power supply ground GND (0 V)
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 (decrease) when the shaft is turning clockwise.
PH H: Plug connector housing (shield)

Top view of mating side, male contact base

M12 connector, 8-pin