

**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).

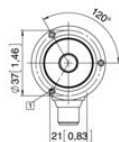
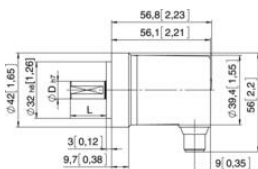
Please refer to the image below for ordering information.

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	c Interface / power supply 2 = SSI / 10 ... 30 V DC	f Resolution (singleturn) A = 10 bit ST 2 = 12 bit ST 3 = 13 bit ST 4 = 14 bit ST	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	d Type of connection 2 = radial cable, 1 m [3.28'] PUR B = radial cable, special length PUR *) 4 = radial M12 connector, 8-pin	e Code B = SSI, binary G = SSI, gray	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	
*) 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)								

TECHNICAL DATA

Connection	Cable, M12
Housing diameter	36 mm
IP class	IP66, IP67, IP69K
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 (Isolate unused wires individually before initial start up)
2	2, 8	SET, DIR	Signal: -
			Cable colour: WH BN GN YE QY PK BU RD
			Shield

Interface	Type of connection	Features	M12 connector, 8 pin
2	4	SET, DIR	Signal: -
			Pin: 1 2 3 4 5 6 7 8

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

Top view of mating side, male contact base

M12 connector, 8 pin

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