

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).

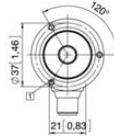
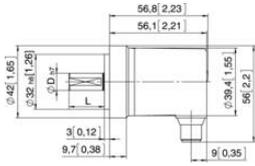
Please refer to the image below for ordering information.

| Order code | 8.M3663R.XX2X.XXX2 | | | | | | | | |
|-----------------------------------|--------------------|--|---|--|---|--|---|---|--|
| Shaft version | Type | a | b | c | d | e | f | g | |
| a Version | | 1 = standard ¹⁾ | | c Interface / power supply | | f Resolution (singleturn) | | | |
| | | clamping flange ø 42 mm [1.65"] | | 2 = SSI / 10 ... 30 V DC | | A = 10 bit ST | | | |
| | | 7 = stainless steel V4A ²⁾ | | | | 2 = 12 bit ST | | | |
| | | clamping flange ø 42 mm [1.65"] | | d Type of connection | | 3 = 13 bit ST | | | |
| | | all metal parts accessible from outside | | 2 = radial cable, 1 m [3.28'] PUR | | 4 = 14 bit ST | | | |
| | | are out of stainless steel V4A | | B = radial cable, special length PUR *) | | | | | |
| b Shaft (ø x L), with flat | | 3 = ø 8 x 15 mm [0.32 x 0.59"] | | 4 = radial M12 connector, 8-pin | | g Resolution (multiturn) | | | |
| | | 1 = ø 6 x 12.5 mm [0.24 x 0.49"] | | *) Available special lengths (connection type B): | | 2 = 12 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'] | | 6 = 16 bit MT | | | |
| | | 2 = ø 1/4" x 12.5 mm [0.49"] | | order code expansion .XXXX = length in dm | | A = 20 bit MT | | | |
| | | E = ø 10 x 20 mm [0.39 x 0.79"], stainless steel V4A | | ex.: 8.M3663R.132B.G322.0030 (for cable length 3 m) | | 4 = 24 bit MT | | | |
| | | | | e Code | | Optional on request | | | |
| | | | | B = SSI, binary | | - Ex 2/22 (only for connection type 4) | | | |
| | | | | G = SSI, gray | | - other shaft diameters out of V4A stainless steel | | | |

SPECIFICATIONS

| | |
|-----------------------|-------------------|
| Housing diameter | 36 |
| IP Class | IP66, IP67, IP69K |
| Resolution Envarv | 10-14 bit |
| Resolution More Yards | Max. 24 bit |
| 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 |



| Interface | Type of connection | Features | Cable (isolate unused wires individually before initial start-up) |
|-----------|--------------------|----------|---|
| 2 | 2, 8 | SET, DIR | Signal: 0V +V C+ C- D+ D- SET DIR H Cable colour: WH BN GN YE GF PK BU RD shield |
| Interface | Type of connection | Features | M12 connector, 8-pin |
| 2 | 4 | SET, DIR | Signal: 0V +V C+ C- D+ D- SET DIR H Pin: 1 2 3 4 5 6 7 8 PH |

+V Encoder power supply +V DC
0V Encoder power supply ground (GND) (0V)
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

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