

SENDIX M3663/3683 MAGNETYCZNY, WIELOBROTOWY, SSI, Ø36 MM

Enkodery wielobrotowe absolutne magnetyczne

SERIE M3663

- Średnica zewnętrzna: Ø 36 mm
- Maks. średnica wałka: Ø 10 mm. Maks. średnica otworu: Ø 10 mm
- Maks. rozdzielczość: 14 bitów ST + 24 bitów MT
- SSI
- Safety-Lock™



OPIS PRODUKTU

Energy Harvesting Technology (Technologia Odzysku Energii) w enkoderach absolutnych wielobrotowych magnetycznych sendix M36 Kubler sprawia, że enkodery serii M36 są szczególnie wytrzymałe, niezawodne i optymalne kosztowo. Kompaktowy rozmiar, tylko 36mm średnicy zapewnia możliwość montażu przy niewielkiej ilości miejsca, a stopień ochrony IP67 zapewnia wyjątkową szczelność.

W celu określenia numeru katalogowego proszę o zapoznanie się z poniższymi informacjami.

Order code	8.M3663	.XX2X	.XXXX2
Shaft version	Type	a b c d	e f g
a Flange			
1 = clamping flange, IP67, ø 36 mm [1.42"]			
3 = clamping flange, IP65, ø 36 mm [1.42"]			
2 = synchro flange, IP67, ø 36 mm [1.42"]			
4 = synchro flange, IP65, ø 36 mm [1.42"]			
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"]			
c Interface / power supply			
2 = SSI / 10 ... 30 V DC			
d 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)			
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 types 3 and 4) - surface protection salt spray tested			

Order code	8.M3683	.XX2X	.XXXX2
Hollow shaft	Type	a b c d	e f g
a Flange			
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"]			
6 = with spring element, long, IP67			
b Blind hollow shaft (insertion depth max. 18.5 mm [0.73"])			
1 = ø 6 mm [0.24"]			
3 = ø 8 mm [0.32"]			
4 = ø 10 mm [0.39"]			
2 = ø 1/4"			
c Interface / power supply			
2 = SSI / 10 ... 30 V DC			
d 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.M3683.242A.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 types 3 and 4) - surface protection salt spray tested			

SPECYFIKACJA TECHNICZNA

Max. temperatura pracy	85 °C
Min. temperatura pracy	-40 °C
Montaż	Wał
Napięcie zasilania DC max.	30 V DC
Napięcie zasilania DC min.	10 V DC
Podłączenie	Kabel, Złącze M12
Rozdzielczość MT	Max. 24 bit
Rozdzielczość ST	10-14 bit
Średnica obudowy	36 mm
Średnica wału max	10 mm
Średnica wału min	6 mm
Stopień ochrony IP	IP65, IP67
Typ czujnika	Absolutny
Wersja	Wielobrotowy
Wyjście	SSI

Technical drawings of the encoder showing dimensions in mm and inches. The side view shows a length of 64.25 (2.53) and a mounting flange diameter of 36 (1.42). The front view shows a diameter of 36 (1.42) and a mounting flange diameter of 36 (1.42). The top view shows a diameter of 36 (1.42) and a mounting flange diameter of 36 (1.42).

Interface	Type of connection	Features	Cable (isolate unused wires individually before initial start-up)
2	1, 2, A, B	SET, DIR	Signal: 0 V, +V, C+, C-, D+, D-, SET, DIR, H Cable colour: WH, BN, GN, YE, QY, PK, BU, RD, shield

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

0 V: Encoder power supply +V DC
+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.
Pin H: Plug connector housing (shield)

Top view of mating side, male contact base

M12 connector, 8-pin