KUEBLER - WIRE ENCODERS B80

SERIE D8.XB1



- Max measuring length 3000 mm
- -20° to +85°C
- Ready speeds up to 10 m / s
- Titan-anodized aluminum housing



PRODUCT DESCRIPTION

The Kübler wire generators are designed for demanding applications, for example within the machine building segment. The systems are robustly built with aluminum housing resistant to tough environments, they can handle high speed and have long life. The B80 series comes with analogue, incremental or absolute (SSI / BiSS, CANopen, Profibus, EtherCAT, Profinet or DeviceNet) outputs.

Please refer to the images below for ordering information.

Order code with encoder (incremental, absolute)	D	8. X B1	. XXXX	(.	XX X X .	XXXX	Standard variants are represented bold underlined
Mechanics 2 = interchangeable installation 1) 4 = fixed installation 2) Measuring range 0100 = 1000 mm 1200 = 2000 mm 0300 = 3000 mm	M3 = Sendix F3 = Sendix 63 = Sendix M8 = Sendix F8 = Sendix	er used 5000, increm M5863, absolu 55863, absolut M5868, absolut 55868, absolut	lute ute e lute te	0	Output circuit depends on th Type of conne depends on th Resolution / Pt depends on th	ction e encoder us rotocol / Optic	Cable diameter 1 mm Eyelet or M4 wire fastening insteaded of wire clip Modified cable and/or connector orientation
Standard resolutions for draw wire v	with increment	al encoder Se	endix 5000	1003			wire with absolute encoder Sendix M5863 programmable via bus)
Standard resolutions for draw wire v	with increment	al encoder Se	endix 5000 200	(1		868 (12 bit ST,	
	-			(t	2 bit ST) or M5	868 (12 bit ST, nce [mm]	programmable via bus)
Drum circumference [mm]	200	200	200	D Pi	2 bit ST) or M5 rum circumfere	868 (12 bit ST, nce [mm]	, programmable via bus)

Order code with encoder

(analog, scalable with limit switch function)



Standard variants are represented bold underlined

- = interchangeable installation 1) 4 = fixed installation 2)
- Measuring range 0100 = 1000 mm
- 0200 = 2000 mm 0300 = 3000 mm
- Output circuit depends on the encoder used
- Type of connection depends on the encoder used
- O Resolution / Protocol / Options depends on the encoder used

Optional on request

- Other measuring ranges
- Cable diameter 1 mm
- Eyelet or M4 wire fastening instead of wire clip

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- Modified cable and/or connector orientation
- Modified cable outlet direction
- Sensor protection level IP67

Encoder used

Measuring range

0100 = 1000 mm

0200 = 2000 mm

0300 = 3000 mm

M1 = Sendix M5861, absolute 30

Recommended standard variants (with encoder analog, scalable with limit switch function)

Order no. draw wire encoder	Mounted encoder	Interface	Power supply	Type of connection	Resolution / Protocol	Option
D8.xB1.xxxx.M134.3512	Sendix M5861 (8.M5861.3534.3512)	Analog, 4 20 mA	10 30 V DC	radial M12 connector	12 Bit / 4 20 mA	scalable with limit switch function 4)
D8.xB1.xxxx.M144.4512	Sendix M5861 (8.M5861.3544.4512)	Analog, 0 10 V	15 30 V DC	radial M12 connector	12 Bit / 0 10 V	scalable with limit switch function 4
D8.xB1.xxxx.M134.3612	Sendix M5861 (8.M5861.3534.3612)	Analog, 4 20 mA	10 30 V DC	radial M12 connector	12 Bit / 4 20 mA	scalable without limit switch function 4
D8.xB1.xxxx.M144.4612	Sendix M5861 (8.M5861.3544.4612)	Analog, 0 10 V	15 30 V DC	radial M12 connector	12 Bit / 0 10 V	scalable without limit switch function 4

D8.3B1

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Order code with analog sensor (scaled to measuring range)

Analog sensor output / power supply

A11 = 4 ... 20 mA / 12 ... 30 V DC A22 = 0 ... 10 V / 12 ... 30 V DC

A33 = potentiometer 1 k Ω / max. 30 V DC

Type of connection

1 = axial cable, 2 m PVC

3 = axial M12 connector, 4-pin

Optional on request

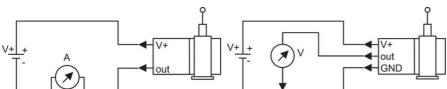
XXX X

- Other measuring ranges
- Cable diameter 1 mm
- Eyelet or M4 wire fastening instead of wire clip
- Modified cable and/or connector orientation

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- Modified cable outlet direction
- Sensor protection level IP67
- Improved linearity (0.02 %)
- Increased temperature range -40°C ... +85°C and

-20°C ... +120°C



Pin	1	2	3	4
Cable colour	brown	white	blue	black
0 10V	V+	Signal	GND	GND Sig
4 _ 20 mA	V+	n. c.	Signal	n.c.
1 kOhm	V+	Slider	GND	n.c.



