OEM Automatic Ltd

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KUEBLER - WIRE ENCODERS C120

SERIE D8.XC1

Kübler

- Measurement length 6000 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 C120 series comes with analogue, incremental or absolute (SSI / BiSS, CANopen, Profibus, EtherCAT, Profinet or DeviceNet) outputs.

CE approval EN 61000-6-2, EN 61000-6-3 ROHS approval EU Guideline 2002/95 / EC

Please refer to the images below for ordering information.

Order code with encoder (incremental, absolute)	D	8. X C1	. 0600) .	XX X X .	XXXX	Standard variants are represented bold underlined
Mechanics 2 = interchangeable installation 1) 4 = fixed installation 2) Measuring range 0600 = 6000 mm	00 = Sendio M3 = Sendio F3 = Sendio 63 = Sendio M8 = Sendio F8 = Sendio	kr used x 5000, increm x M5863, absol x 5863, absolut x M5868, absolut x M5868, absolut 5868, absolut	olute ute te olute te	0	Output circuit depends on the Type of connect depends on the Resolution / Pro depends on the	ion encoder used tocol / Option encoder used	- Cable diameter 1 mm - Eyelet or M4 wire fastening instead of wire clip - Modified cable and/or connector orientation - Modified cable outlet direction - Sensor protection level IP67 - Improved linearity (0.02 %)
Standard resolutions for draw wire v	with incremen	tal encoder So	endix 5000	1000			wire with absolute encoder Sendix M5863 programmable via bus)
Standard resolutions for draw wire v	with increment	317.68	317.68	(868 (12 bit ST,	
	T T			(12 bit ST) or M58	668 (12 bit ST, nce [mm]	programmable via bus)
Drum circumference [mm]	317.68	317.68	317.68	(F	12 bit ST) or M50 Drum circumfere	668 (12 bit ST, nce [mm]	programmable via bus) 317.68

Order code with encoder (analog, scalable with limit switch function)

D8. X C1

0600 0

M1XX. 0 00

XXXX

Standard variants are represented bold underlined

- interchangeable installation 1) 4 = fixed installation 2)
- Measuring range 0600 = 6000 mm
- Encoder used M1 = Sendix M5861, absolute 3
- Output circuit depends on the encoder used
- Type of connection depends on the encoder used
- 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

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.xC1.0600.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.xC1.0600.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.xC1.0600.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.xC1.0600.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)

Order code with analog sensor (scaled to measuring range)

D8.3C1 0600 0



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Measuring range 0600 = 6000 mm

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

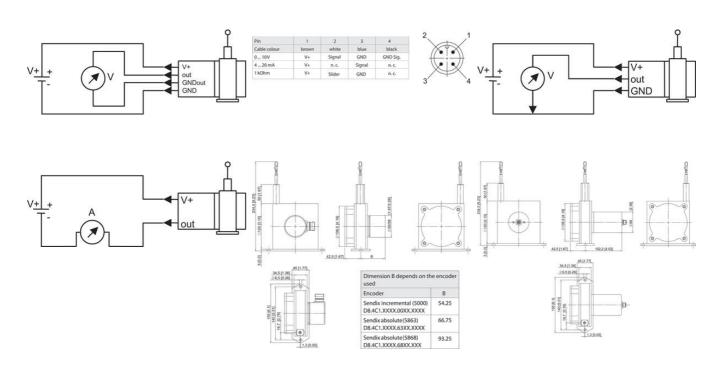
Type of connection

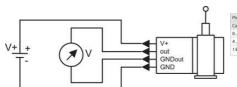
1 = axial cable, 2 m PVC

3 = axial M12 connector, 4-pin

Optional on request

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

