KUEBLER - WIRE ENCODERS C120

SERIE D8.XC1



- 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	. 060	0 .	XXX		XXXX	X	ndard variants are represented bold underlined	
Mechanics = interchangeable installation 11 = fixed installation 21 Massuring range Measuring range Mo = Sendix M5863, absolute F3 = Sendix F5863, absolute 63 = Sendix M5868, absolute M8 = Sendix M5868, absolute F8 = Sendix F5868 absolute 68 = Sendix 5868, absolute Standard resolutions for draw wire with incremental encoder Sendix 5000									Optional on request - Other measuring ranges - Cable diameter 1 mm - Eyelet or M4 wire fastening instea 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 S	endix 5000	1000						
Standard resolutions for draw wire v	with increment	tal encoder S	endix 5000 317.68	(r M586	8 (12 bit		- Improved linearity (0.02 %) e with absolute encoder Sendix M5863	
	т т			(12 bit ST) o	r M588 nferenc	8 (12 bit ce [mm]		- Improved linearity (0.02 %) e with absolute encoder Sendix M5863 grammable via bus)	
Drum circumference [mm]	317.68	317.68	317.68	E F	12 bit ST) o Drum circur	r M586 nference olution	8 (12 bit ce [mm]		- Improved linearity (0.02 %) e with absolute encoder Sendix M5863 grammable via bus) 317.68	

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

D8. X C1

0600 0



XXXX 0

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
- 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



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

G 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

out GND Encoder 66.75 D8.4C1,XXXX.63XX,XXXX 93.25 Sendix absolute (5868) D8.4C1.XXXX.68XX.XXX