SERIE D8.4D1

- Max measuring length 40000 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 D135 series comes with analogue, incremental or absolute (SSI / BiSS, CANopen, Profibus, EtherCAT, Profinet or DeviceNet) outputs, and up to 42 500mm drag wires.

Please refer to the images below for ordering information.

a Measuring range	Encoder used	C	Output circuit	Optional on request
0800 = 8 000 mm	00 = Sendix 5000, incremental		depends on the encoder used	- Other measuring ranges
1000 = 10 000 mm	M3 = Sendix M5863, absolute			<ul> <li>Cable diameter 1 mm</li> </ul>
1200 = 12 000 mm	F3 = Sendix F5863, absolute	0	Type of connection	<ul> <li>Eyelet or M4 wire fastening instea</li> </ul>
500 = 15 000 mm	63 = Sendix 5863, absolute		depends on the encoder used	of wire clip
2000 = 20 000 mm	M8 = Sendix M5868, absolute			<ul> <li>Modified cable and/or connector</li> </ul>
2500 = 25 000 mm	F8 = Sendix F5868 absolute	0	Resolution / Protocol / Options	orientation
8000 = 30 000 mm	68 = Sendix 5868, absolute		depends on the encoder used	<ul> <li>Modified cable outlet direction</li> </ul>
500 = 35 000 mm				<ul> <li>Sensor protection level IP67</li> </ul>
000 = 40 000 mm				<ul> <li>Improved linearity (0.02 %)</li> </ul>
4250 = 42 500 mm				

Drum circumference [mm]	333.33	333.33	333.33
Pulses / revolution [ppr]	1000	2000	4000
Pulses / mm	3	6	12
Resolution [mm]	0.33	0.17	0.08

Drum circumference [mm]	333.33
Pulses / revolution [ppr]	4096
Pulses / mm	12.3
Resolution [mm]	0.08

# Kübler

		Type 0 0 0 0	XXXX     Standard variants are     represented bold underlined	
<ul> <li>Encoder used</li> <li>M1 = Sendix M5861, absolute <sup>1)</sup></li> </ul>		<i>Output circuit</i> 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	
		Type of connection depends on the encoder used		
00 = 20 000 mm 00 = 25 000 mm 00 = 30 000 mm 00 = 35 000 mm 00 = 40 000 mm 50 = 42 500 mm	0	Resolution / Protocol / Options depends on the encoder used	orientation - Modified cable outlet direction - Sensor protection level IP67	
		M1 = Sendix M5861, absolute <sup>1)</sup>	M1 = Sendix M5861, absolute 1)       depends on the encoder used         Image: Ima	

### 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.xD1.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 <sup>2)</sup>
D8.xD1.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 <sup>2)</sup>
D8.xD1.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 2)
D8.xD1.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 2)

D8.3D1

Туре

## Order code with analog sensor (scaled to measuring range)

## Measuring range

0800 = 8 000 mm 1000 = 10 000 mm 1500 = 15 000 mm 2000 = 20 000 mm 2500 = 25 000 mm 3000 = 30 000 mm 3500 = 35 000 mm 4000 = 40 000 mm

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- 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 $\Omega$  / max. 30 V DC
- C Type of connection
- 1 = axial cable, 2 m [6.56'] PVC
- 3 = axial M12 connector, 4-pin

6 Optional on request

XXXX

0

- Other measuring ranges

C

- Cable diameter 1 mm

XXX X

- Eyelet or M4 wire fastening instead of wire clip

0000

- 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





