

## KUEBLER - WIRE ENCODERS C100

### SERIE D8.C100

- Robust design
- -40 to +85°C
- IP67 class
- Built-in inclinometer



### PRODUCT DESCRIPTION

Thanks to its robust design, wide temperature range, and IP67 rating, the C100 series fits well in demanding applications. The C100 can be equipped with analog, incremental, relay and switched outputs, and even with built-in inclinometers together with CANopen communication. It is also possible to order the C100 series with redundancy. The measuring range may range from 1m up to 5m.

Please refer to the images below for ordering information.

Order code with analog sensor		D8 . C100 . XXXX . XXX1 . X 000			
		a	b	c	d
<b>a</b> Measuring length	<b>b</b> Sensor type	<b>c</b> Type of connection			
0100 = 1 m	A22 = 0 ... 10 V <sup>1)</sup>	1 = M12 connector, 5-pin			
0200 = 2 m	A44 = 0.5 ... 4.5 V	<b>d</b> Power supply			
0300 = 3 m	R22 = 0 ... 10 V, redundant <sup>1)</sup>	1 = 9 ... 30 V DC			
0400 = 4 m	R44 = 0.5 ... 4.5 V, redundant	2 = 5 V DC <sup>2)</sup>			
0500 = 5 m					

Order code with CANopen and inclinometer		D8 . C100 . XXXX . RC11 . 1X 00				
		a	b	c	d	e
<b>a</b> Measuring length	<b>b</b> Sensor type	<b>c</b> Type of connection			<b>e</b> Inclinometers	
0100 = 1 m	RC1 = CANopen redundant	1 = M12 connector, 5-pin			0 = none	
0200 = 2 m		<b>d</b> Power supply			1 = 1 inclinometer	
0300 = 3 m		1 = 9 ... 30 V DC			2 = 2 inclinometers	
0400 = 4 m						
0500 = 5 m						

Order code with incremental output		D8 . C100 . XXXX . XXXX . 1 000			
		a	b	c	d
<b>a</b> Measuring length	<b>b</b> Sensor type	<b>c</b> Type of connection			
0100 = 1 m	I11 = incremental AB, 512 ppr	1 = M12 connector, 5-pin			
0200 = 2 m	I12 = incremental ABZ, 512 ppr	3 = radial cable, 2 m [6.56']			
0300 = 3 m	I21 = incremental AB, 1024 ppr	<b>d</b> Output circuit / Power supply			
0400 = 4 m	I22 = incremental ABZ, 1024 ppr	1 = TTL / 9 ... 30 V DC			
0500 = 5 m					

**Order code  
with relais output**

D8. C100 . XXXX . RL1 1 . 1 000

**a** *Measuring length*  
0100 = 1 m  
0200 = 2 m  
0300 = 3 m  
0400 = 4 m  
0500 = 5 m

**b** *Sensor type*  
RL1 = relay output

**c** *Type of connection*  
1 = M12 connector, 5-pin

**d** *Power supply*  
1 = 9 ... 30 V DC

**Order code  
with switch output**

D8. C100 . XXXX . SW3 4 . 1 000

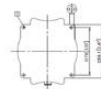
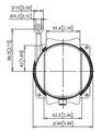
**a** *Measuring length*  
0100 = 1 m  
0200 = 2 m  
0300 = 3 m  
0400 = 4 m  
0500 = 5 m

**b** *Sensor type*  
SW3 = 3 switch outputs

**c** *Type of connection*  
4 = M12 connector, 12-pin

**d** *Power supply*  
1 = 9 ... 30 V DC

**Dimension**  
Dimension in mm (inch)



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