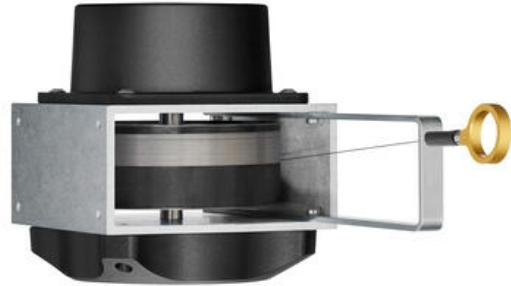


## KUEBLER - WIRE ENCODERS D120

### SERIE D8.D120

- Max measuring length 10m
- -40 to +85C°
- IP rating up to IP69K
- Open, closed or perforated house



### PRODUCT DESCRIPTION

The D120 series generators are designed for extra demanding applications, requiring high IP rating and wide temperature range. Flexibility and adaptability have been the focus of the D120 series.

The D120 series also offers redundancy when using variants with two potentiometers.

Available with open, closed and perforated housing.

Please refer to the image below for ordering information.

Order code	D8.D120 . XXXXX . XXX X . 0000	Standard variants are represented <b>bold underlined&gt;</b>
Type	a b c d e f	
<p><b>a</b> <i>Measuring length</i></p> <p><b><u>3 = 3 m</u></b>                      4 = 4 m                      5 = 5 m                      6 = 6 m                      7 = 7 m                      8 = 8 m                      9 = 9 m                      A = 10 m</p> <p><b>b</b> <i>Wire types <sup>1)</sup></i></p> <p><b><u>1 = V4A, ø 0.5 mm</u></b>                      2 = V4A, ø 1.0 mm (measuring length 3 ... 8 m)                      3 = V4A, ø 1.5 mm (measuring length 3 ... 6 m)</p>	<p><b>c</b> <i>Linearity</i></p> <p><b><u>1 = 0.5 %</u></b>                      2 = 0.25 %                      3 = 0.1 %</p> <p><b>d</b> <i>Housing</i></p> <p><b><u>1 = open housing, open wire guide</u></b>                      3 = housing with perforated sheet metal cover, open wire guide                      4 = housing with perforated sheet metal cover, closed wire guide                      6 = closed housing, closed wire guide</p>	<p><b>e</b> <i>Sensor type</i></p> <p><b><u>A11 = 4 ... 20 mA / 12 ... 30 VDC</u></b>  <b><u>A22 = 0 ... 10 V / 12 ... 30 VDC</u></b>  <b><u>A33 = 1 kΩ / max. 30 VDC</u></b>  <b><u>CC1 = CANopen <sup>2)</sup></u></b>                      R11 = 2 x 4 ... 20 mA / 12 ... 30 VDC                      R22 = 2 x 0 ... 10 V / 12 ... 30 VDC                      R33 = 2 x 1 kΩ / max. 30 V</p> <p><b>f</b> <i>Type of connection / protection level sensor</i></p> <p>1 = radial cable, 2 m [6.56'] TPE / IP69k <sup>3)</sup></p> <p><b><u>3 = radial M12 connector / IP67</u></b>                      4-pin for sensor type A11 ... A33                      5-pin for sensor type CC1                      8-pin for sensor type R11 ... R33</p>