

DW3000-110-PA-H1441  
Draw-Wire



Technical data

|                                        |                             |
|----------------------------------------|-----------------------------|
| Type                                   | DW3000-110-PA-H1441         |
| ID                                     | 1544548                     |
| General data                           |                             |
| Measuring range                        | 3000 mm                     |
| Linearity deviation                    | ≤ 0.1 %                     |
| Electrical data                        |                             |
| Operating voltage U <sub>B</sub>       | 0...30 VDC                  |
| Short-circuit protection               | yes                         |
| Wire break/reverse polarity protection | yes                         |
| Output function                        | 4-pin, Potentiometer        |
| Mechanical data                        |                             |
| Design                                 | Draw Wire                   |
| Housing material                       | Titanium anodized aluminium |
| min. extension force                   | 6.9 N                       |
| max.extension force                    | 9.8 N                       |
| max. extension speed                   | 10 m/s                      |
| Pull acceleration max.                 | 140 m/s <sup>2</sup>        |
| wire material                          | Stainless steel             |
| Electrical connection                  | Connector, M12 × 1          |
| Environmental conditions               |                             |
| Ambient temperature                    | -20...+85 °C                |
| Protection class                       | IP65                        |

|                   |                 |        |     |   |   |   |   |   |   |
|-------------------|-----------------|--------|-----|---|---|---|---|---|---|
| Signal            | +U <sub>B</sub> | Slider | Gnd | - | - | - | - | - | - |
| Pin configuration | 1               | 2      | 3   | 4 | - | - | - | - | - |

Features

- Measuring range up to 3000mm
- M12 connector
- Protection class: IP65 (Encoder)
- Potentiometric output 1k Ohm
- Supply voltage max. 30 VDC

Wiring diagram



## Accessories

RDR-1

1544753

Deflection roller for aluminium draw-wire sensors

