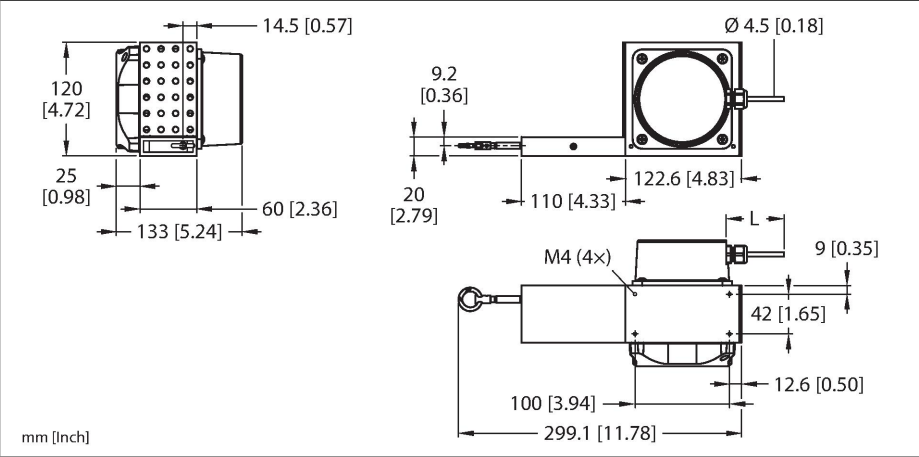


# DWE-10000-120-9D16B-C

## Draw-Wire



### Technical data

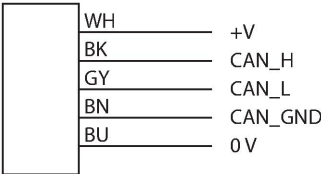
|                                        |                                                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------|
| Type                                   | DWE-10000-120-9D16B-C                                                                    |
| ID                                     | 100049466                                                                                |
| Measuring principle                    | Potentiometer                                                                            |
| General data                           |                                                                                          |
| Measuring range                        | 10000 mm                                                                                 |
| Resolution                             | 16 bit                                                                                   |
| Linearity deviation                    | ≤ 0.5 %                                                                                  |
| Electrical data                        |                                                                                          |
| Operating voltage U <sub>B</sub>       | 8...30 VDC                                                                               |
| Wire break/reverse polarity protection | no/yes                                                                                   |
| Communication protocol                 | CANopen                                                                                  |
| Output function                        | 5-wire                                                                                   |
| Interface                              | CAN High-Speed in accordance with ISO 11898, basic and full CAN, CAN specification 2.0 B |
| Node ID                                | 1...127 einstellbar über SDO, Werkseinstellung: 7                                        |
| Baud rate                              | 20...1000 kbit/s adjustable via SDO, factory setting 250 kbit/s                          |
| Sample rate                            | 1000 Hz                                                                                  |
| Current consumption                    | 10 mA at 24 VDC, typically                                                               |
| Mechanical data                        |                                                                                          |
| Design                                 | Draw Wire                                                                                |
| Housing material                       | Aluminum/plastic                                                                         |
| min. extension force                   | 7 N                                                                                      |
| max.extension force                    | 13 N                                                                                     |
| max. extension speed                   | 3 m/s                                                                                    |
| Pull acceleration max.                 | 50 m/s <sup>2</sup>                                                                      |
| wire material                          | Stainless steel                                                                          |



### Features

- Measuring range up to 10000 mm
- Cable connection
- Sensor protection class IP69K
- -20...+85 °C
- 8...30 VDC
- CANopen CiA 301 V 4.2.0
- Device profile encoder absolute linear, CiA 406 V 3.2.0
- 120 Ω termination can be switched on via SDO
- Cable connection, TPE, 2 m

### Wiring diagram



Technical data

|                          |              |
|--------------------------|--------------|
| Electrical connection    | Cable        |
| cable length             | 2 m          |
| Environmental conditions |              |
| Ambient temperature      | -20...+85 °C |
| Relative humidity        | ≤ 90 %       |
| Protection class         | IP69K        |

Accessories

|       |         |
|-------|---------|
| RDR-1 | 1544753 |
|-------|---------|

Deflection roller for aluminium draw-wire sensors

