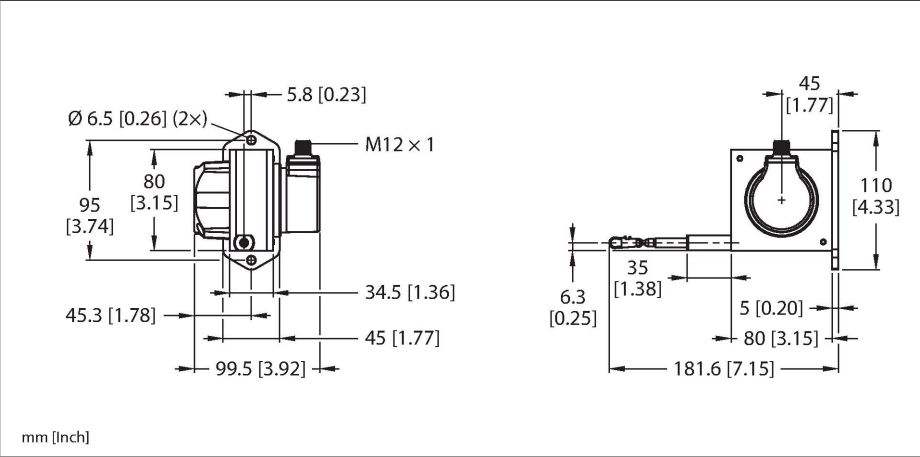


# DWE-4000-155-10-2B1000-H1181

## Draw-Wire



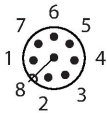
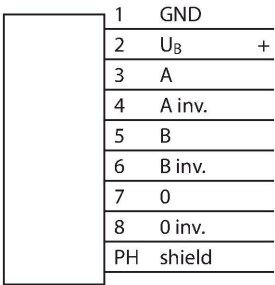
### Technical data

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Type                             | DWE-4000-155-10-2B1000-H1181      |
| ID                               | 100049367                         |
| Measuring principle              | Optical                           |
| General data                     |                                   |
| Measuring range                  | 4000 mm                           |
| Linearity deviation              | ≤ 0.05 %                          |
| Output type                      | Incremental                       |
| Electrical data                  |                                   |
| Operating voltage U <sub>B</sub> | 10...30 VDC                       |
| No-load current                  | ≤ 100 mA                          |
| Output current                   | ≤ 30 mA                           |
| Short-circuit protection         | yes                               |
| Pulse frequency max.             | 300 kHz                           |
| Signal level high                | min. U <sub>B</sub> - 1 V         |
| Signal level low                 | max. 0.5 V                        |
| Output function                  | 8-wire, Push-Pull/HTL, invertable |
| Mechanical data                  |                                   |
| Design                           | Draw Wire                         |
| Housing material                 | Titanium anodized aluminium       |
| Encoder housing material         | Die-cast zinc                     |
| min. extension force             | 8.8 N                             |
| max. extension force             | 12.3 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                |

### Features

- Highly dynamic draw-wire sensor
- With built-in incremental encoder
- Measuring principle: optical
- Sensor protection class IP65
- -20...+85 °C
- 10...30 VDC
- Push-pull/HTL with inversion
- Pulse frequency max. 300 kHz
- M12 × 1 connector, 8-pin

### Wiring diagram



Technical data

| Environmental conditions |              |
|--------------------------|--------------|
| Ambient temperature      | -20...+85 °C |
| Protection class         | IP65         |

Accessories

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

Deflection roller for aluminium draw-wire sensors

