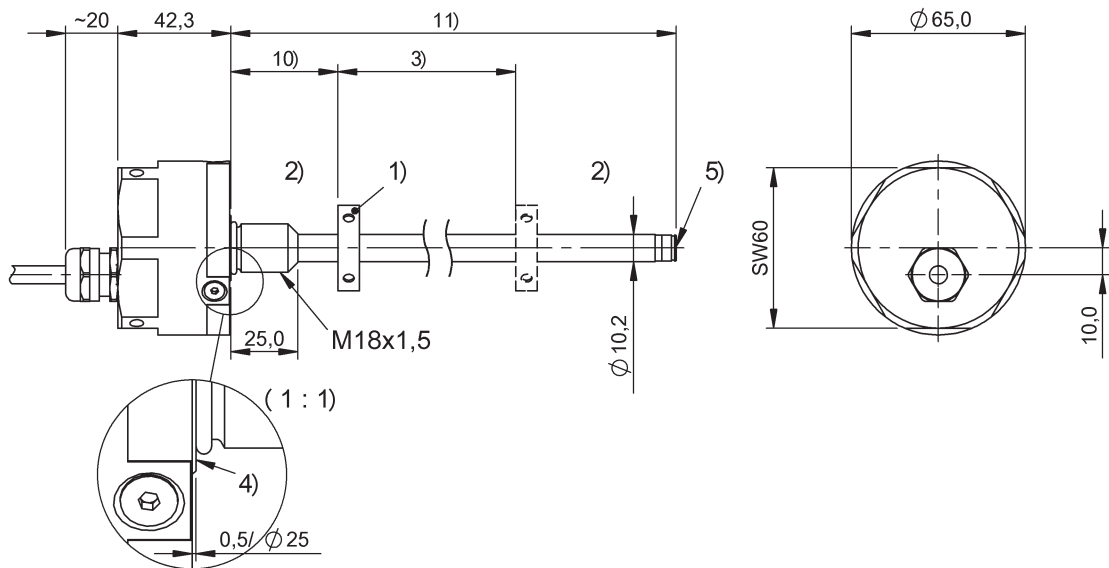




1) Not incl. in scope of del. 2) Unusable area 3) Nom. stroke = Meas. length 4) Mounting surface 5) Internal thread M4x4/6 deep 10) Zero point 11) Installation length

- Series Compact Rod
- Analog interface, current

**General attributes**

|                                |                       |
|--------------------------------|-----------------------|
| Approvals / Conformity         | CE                    |
| Cable protective system        | cULus                 |
| Enclosure Type per IEC 60529   | No                    |
| Generation                     | IP68                  |
| No of magnets, factory setting | Generation 7          |
| Polarity reversal protected    | 1 ST                  |
| Short circuit protected        | Up to 36 V            |
|                                | to GND and to 36 V DC |

**Electrical attributes**

|                                  |                           |
|----------------------------------|---------------------------|
| Connection type                  | Cable                     |
| Current draw (at 24 V DC)        | ≤ 120 mA                  |
| Error signal Ia rising           | 3.6 mA                    |
| Error signal Ua falling          | ~ -0.25 V                 |
| Error signal Ua rising           | ~ -0.25 V                 |
| For dynamic loop applications    | No                        |
| Inrush current                   | ≤ 500 mA / 10 ms          |
| Interface                        | Analog interface, current |
| Interface group                  | Analog                    |
| Load resistance RL max.          | ≤ 500 Ohm                 |
| Non-linearity max.               | ±50 µm                    |
| Number of magnets max.           | 1 ST                      |
| Operating voltage UB max. DC [V] | 30.0 V                    |
| Operating voltage UB min. DC [V] | 10.0 V                    |
| Output signal                    | 4...20 mA                 |
| Output signal adjustable         | Via programming inputs    |
| Overvoltage protected            | Up to 36 V                |
| Potential isolation              | No                        |
| Programming inputs               | 10...30 V DC, High-active |
| Ripple                           | 0.5 Vpp                   |
| Voltage resist (GND – housing)   | 500 V AC                  |

**Mechanical attributes**

|                                |                       |
|--------------------------------|-----------------------|
| Nominal stroke                 | 225 mm                |
| Ambient temperature Ta max.    | 85 °C                 |
| Ambient temperature Ta min.    | -40 °C                |
| Bending radius drag chain      | ≥ 15 x cable diameter |
| Bending radius fixed cable     | ≥ 5 x cable diameter  |
| Bending radius tensioned cable | ≥ 15 x cable diameter |
| Cable diameter max.            | 7.00 mm               |

|                                |                                |
|--------------------------------|--------------------------------|
| Cable diameter min.            | 6.40 mm                        |
| Cable jacket material          | PUR                            |
| Cable length                   | 10.00 m                        |
| Cable temp. max. (fixed)       | 90 °C                          |
| Cable temp. max. (moved)       | 90 °C                          |
| Cable temp. min. (fixed)       | -40 °C                         |
| Cable temp. min. (moved)       | -5 °C                          |
| Cable/connector out            | AXIAL                          |
| Conductor cross-section        | 0.25 mm²                       |
| Drag chain compatible          | Yes                            |
| E module                       | 200 kN/mm²                     |
| EN55016-2-3 (emission)         | Indust. and residential area   |
| EN60068-2-27 (shock)           | 150 g / 6 ms                   |
| EN60068-2-29 (contin. shock)   | 150 g / 2 ms                   |
| EN60068-2-6 (vibration)        | 20 g, 10...2000 Hz             |
| EN60068-2-64 (noise)           | 20 g, 10...2000 Hz             |
| EN61000-4-2 (ESD)              | Severity Level 3               |
| EN61000-4-3 (RFI)              | Severity Level 3               |
| EN61000-4-4 (Burst)            | Severity Level 3               |
| EN61000-4-5 (Surge)            | Severity Level 2               |
| EN61000-4-6 (HF fields)        | Severity Level 3               |
| EN61000-4-8 (magnetic fields)  | Severity Level 4               |
| Flame resistant                | IEC 60332-1                    |
| Flange material                | St. steel 1.4404/1.4429/1.4571 |
| Housing material               | Stainless steel 1.4305         |
| Mounting type                  | Threaded flange M18x1.5        |
| Null point                     | 40.0 mm                        |
| Number of conductors           | 8                              |
| O-ring material                | Viton                          |
| Offset mounting surface        | Yes                            |
| Outer tube material            | Stainless steel 1.4571         |
| Pressure resistance            | ≤ 600 bar                      |
| Relative humidity              | < 90 %, non-condensing         |
| Repeat accuracy                | ±10 µm                         |
| Storage temperature max.       | 100 °C                         |
| Storage temperature min.       | -40 °C                         |
| Style                          | Series Compact Rod             |
| TK, typ. (at 50 % of 500 mm)   | ≤ 30 ppm/K                     |
| Traverse speed max(drag chain) | 4.5 m/s                        |
| Version                        | Type H                         |
| With O-ring                    | Yes                            |

| colour |           |
|--------|-----------|
| YE     | 4...20 mA |
| GY     | 0 V       |
| PK     | 10...0 V  |
| RD     | La        |
| GN     | 0...10 V  |
| BU     | GND       |
| BN     | +24 V DC  |
| WH     | Lb        |