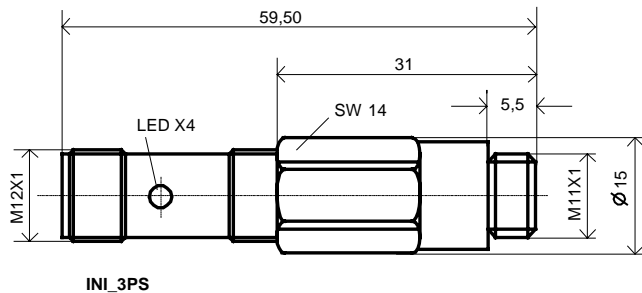
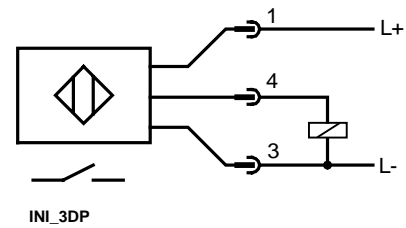


Dimensions



Connection Diagram



**Technical Data**

|   |       |                   |
|---|-------|-------------------|
| Electrical Design                           |       | DC PNP            |
| Output Function                             |       | NC                |
| Operating Voltage including residual ripple | [VDC] | 10...36           |
| Current / Permanent                         | [mA]  | 100               |
| Voltage Drop / max. Load                    | [V]   | ≤ 2.5             |
| Current Input                               | [mA]  | ≤ 15              |
| Short Circuit Protection                    |       | switched          |
| Polarized / Overload-Proof                  |       | yes / yes         |
| Operating Frequency                         | [Hz]  | typ.100           |
| EMC   |       | EN 60947-5-2      |
| Output Indicator                            |       | LED yellow        |
| Temperature Range                           | [°C]  | -25...+80         |
| Drift of Operating Point                    | [%]   | < ± 10 of $s_r$   |
| Switching Hysteresis                        | [%]   | 3...15 of $s_r$   |
| Rated Operating Distance ( $s_n$ )          | [mm]  | 2.0 flush         |
| Effective Operating Distance ( $s_r$ )      | [%]   | $s_n \pm 10$      |
| Admissible Pressure                         | [bar] | 400               |
| Type of Protection                          |       | IP67              |
| Safety Class                                |       | III - SELV        |
| Tightening Torque                           | [Nm]  | 18                |
| Type of Connection                          |       | Circular Plug M12 |
| Material of Housing                         |       | V4A (1.4571)      |

**Function:**

The piston detector serves to monitor metering devices type SSV and VSG. It is a pressure-resistant inductive proximity switch detecting the movements of a metering device piston. It is screwed into the piston hole of the SSV metering device instead of a piston closure plug (in case of type VSG by means of an adapter). Any metering device can easily be retrofitted. Thus, in combination with a control, the piston detector allows the monitoring of a centralized lubrication system.