**FEATURES**
- DC 3-wire PNP sensor
- IP 67 rugged plastic housing
- Hermetically sealed
- Vibration, shock and corrosion resistant
- Compact design
- High visibility LED for power and switch status
- System cable supports power for sensor and solenoid

**TECHNICAL DATA**

### General specifications
- Switching function: 2 x normally open (NO)
- Output type: PNP, 3-wire
- Rated operating distance: $s_0 = 3$ mm
- Installation: Flush mountable
- Output polarity: DC
- Assured operating distance: $s_a = 0 \ldots 2.43$ mm

### Nominal ratings
- Operating voltage: $U_b = 10 \ldots 30$ V DC
- Switching frequency: $f = 0 \ldots 500$ Hz
- Hysteresis: $H$ Typ. 5%
- Reverse polarity protection: All connections
- Short-circuit protection: Pulsing
- Voltage drop: $U_d \leq 3$ V
- Operating current: $I_o = 0 \ldots 100$ mA
- Off-state current: $I_r = 0 \ldots 0.5$ mA typ. 0.1 μA at 25°C
- No-load supply current: $I_o \leq 25$ mA
- Operating voltage display: LED, green
- Switching state indicator: LED, yellow

### Functional safety related parameters
- MTTFd: 780 a
- Mission Time (TM): 20 a
- Diagnostic Coverage (DC): 0%

### Ambient conditions
- Ambient temperature: $T_a = -25 \ldots 70°C (-13 \ldots 158°F)$

### Mechanical specifications
- Connection (system side): Rd24 x 1/8, 6-pin+PE
- Connection (valve side): Socket connector, M12 x 1, 4-pin
- Housing material: PBT
- Sensing face material: PBT
- Degree of protection: IP67
- Note: Valve voltage limited to 26.4 V max.; valve power 6 W max.

### Standard conformity
- Approvals and certificates: cULus listed, general purpose

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**ACTIVATOR AND MOUNTING KITS**

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**WIRING DIAGRAM**

**CONNECTOR PINOUT**

System Side

Valve Side

Compatible with 4-pin connector

**ACCESSORIES**

| 090700-71155517                | Sensor Cordset - Single ended Rd24 female straight socket (6-pin + PE) with screw terminal for field wiring. Field attachable. |
| 090001-76159882                | S-Connector Cordset (S62, S63) - M12 male right angle 2-pins + PE) to Form B Type I solenoid conector (DIN 43650), 0.6 meters |
| 090001-76160882                | S-Connector Cordset (S60) - M12 male right angle (2-pins + PE) to Form A solenoid connector (DIN 43650), 0.3 meters |
| 630250-21524536                | Series 63 - Solenoid Valve, NAMUR mount 3/2 or 5/2, Form B connector (DIN 43560), IP65, single 24vdc coil |
| 621250-21524536                | Series 62 - Solenoid Valve, NAMUR mount 3/2 or 5/2, Form B connector (DIN 43560), IP65, single 24vdc coil |

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