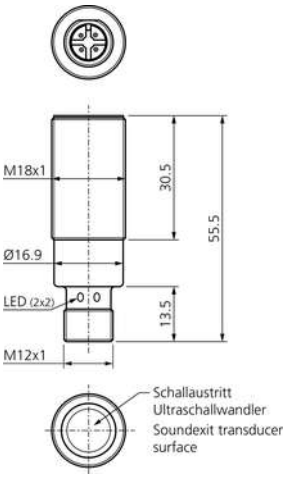
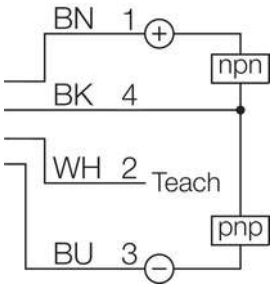
# 213064
# US 18 M 1500 G3-B4
# Ultrasonic sensor

- IO-Link
- Configurable as an ultrasonic sensor or barrier
- 3 different teach modes
- Working range adjustable
- Very narrow detection beam / small blind zone
- Switching functions: Closer/opener, window function teach-able
- Resistant to dirt
- Small design
- Robust metal housing
- Protection class IP 67




BK: black BN: brown BU: blue WH: white

**Function**

NO/NC IO-Link

| Technical data (typ.) | +20°C, 24 V DC |
|---|---|
| Service voltage | 18 … 30 V DC |
| No-load current (max.) | 40 mA (24 V DC) |
| Inverse polarity protection | Yes |
| Short-circuit protection | Yes |
| Insulation voltage endurance | 500 V |
| Housing dimensions | M18 x 55 mm |
| Thread | M18 x 1 |
| Housing length | 55 mm |
| Transmission exit | axial |
| Assembly distance (sensor to sensor) | 700 mm |
| Housing material | Brass (nickel-plated) |
| Material | Epoxy resin, PUR (Transducer surface) |
| Weight | 30 g |
| Protection class | III, operation on protective low voltage |
| Approvals | UL |
| Operating principle | Ultrasonic sensor, Ultrasonic barrier |
| Evaluation | digital |
| Design | Thread |
| Characteristics | IO-Link |
| Parallel operation possible | No |

# 213064
# US 18 M 1500 G3-B4
# Ultrasonic sensor

| Technical data (typ.) | +20°C, 24 V DC |
|---|---|
| Scope of delivery | Sensor, 2 x M18 nuts |
| Functions | Teach (Pin 2), Out 1, IO-Link (Pin 4) |
| Switching output | Push-pull, 150 mA, NO/NC, switchable |
| Max. switch current | 150 mA |
| Voltage drop (max.) | 2 V |
| Interface | IO-Link (V1.1, COM2 (38.4 kBd) Smart Sensor Profile) |
| Nominal switching distance (Sn) | 1500 mm |
| Range | 150 … 1500 mm |
| Adjustment range | 150 … 1500 mm (Teach in) |
| Resolution | 1.0 mm (IO-Link) |
| Standardized measuring plate | 200 x 200 mm |
| Switching hysteresis (max.) | 6 mm (Adjustable up to 20 mm via IO-Link) |
| Reproducibility | < 1 mm |
| Sensitivity adjustment | Remote teach |
| Display | LED 1x Green - Status, 1x yellow - Switching output |
| Ultrasonic frequency | 200 kHz |
| Switching frequency | < 5 Hz |
| Readiness delay (max.) | 300 ms |
| Shock/vibration load | 30 g, 11 ms / 10 … 55 Hz, 1.0 mm |
| Ambient temperature during operation | -25 … +70 °C |
| Temperature drift | 0.2 %/K (compensated) |
| Temperature drift | < 1 %/Sn (compensated) |
| Protection type | IP 67 |
| Connection | Connector, M12, 4-pin |
| Connection cable | VKHM … /4 |

| More information / accessories | https://www.di-soric.com/213064 |
|---|---|


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