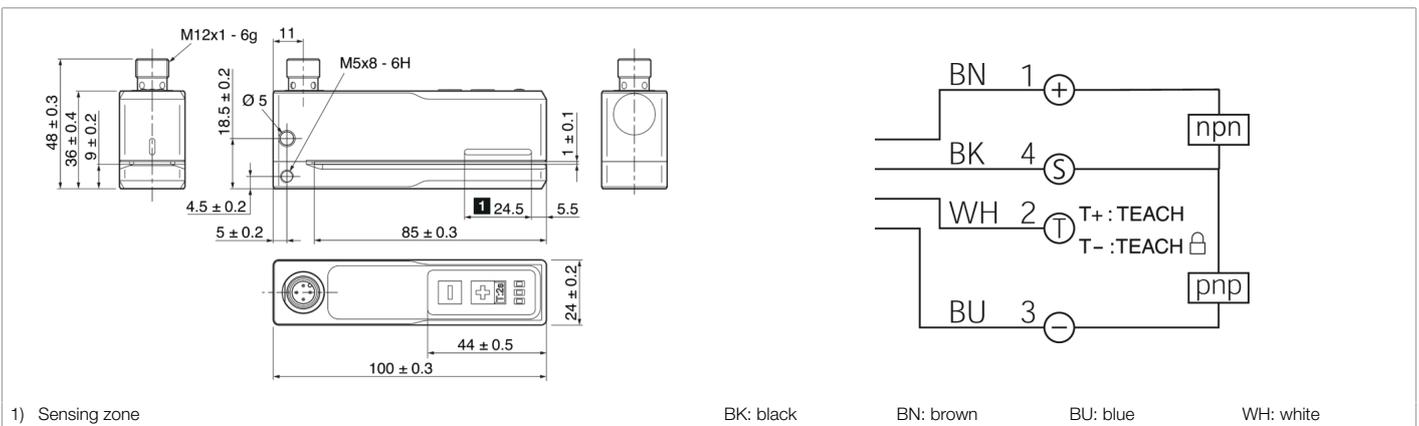




214209
KGUTI80-1-G3-RB4
Capacitive label sensor

- Detection of transparent and paper labels
- Intuitive teach-in using a membrane keyboard and with fine adjustment
- IO-Link
- Robust metal housing
- Separated housing
- Remote teach with key-lock function
- Parallel operation Pin2 / label detected and IO-Link (pin 4)



Function

| Technical data (typ.) | +20°C, 24 V DC |
|----------------------------------|--|
| Electrical features | |
| Service voltage | 18 ... 30 V DC |
| No-load current (max.) | < 40 mA |
| Insulation voltage endurance | 500 V |
| Mechanical features | |
| Fork opening | 1 mm |
| Leg length internal | 85 mm |
| Housing dimensions | 24 x 36 x 100 mm |
| Housing length | 100 mm |
| Housing height | 36 mm |
| Housing width | 24 mm |
| Housing material | Aluminum (Black, Anodized) |
| Certifications, approvals | |
| Protection class | III, operation on protective low voltage |
| Approvals | UL |
| General features | |
| Operating principle | Capacitive |
| Design | Fork |
| Characteristics | Connector outlet at the top |
| Product series | KGUTI Capacitive |



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| | |
|---|--|
| Technical data (typ.) | +20°C, 24 V DC |
| Functional scope | |
| Operating modes | STANDARD, HIGH RESOLUTION, SPEED |
| Scope of delivery | Sensor, Instructions available online |
| Output, input, interface | |
| Switching output | Push-pull, 100 mA, NO/NC, switchable |
| Voltage drop (max.) | 2.5 V |
| Interface | IO-Link V1.1.3, COM2 (Smart Sensor Profile 2nd Edition V1.1 SSP 4.1.1) |
| Detection range, measuring range, tolerance limits | |
| Detection range | 22 mm |
| Reproducibility (STANDARD) | < 0.15 mm |
| Reproducibility (HIGH RESOLUTION) | < 0.1 mm |
| Reproducibility (SPEED) | < 0.2 mm |
| Label length | > 2 mm |
| Label interspace | > 2 mm |
| Label thickness | < 0.9 mm |
| Display, operation | |
| Sensitivity adjustment | Keypad, Remote teach, IO-Link |
| Display | LED green - Status, yellow - Switching output, Red - Warning |
| Time behavior | |
| Band speed (STANDARD) | < 300 m/min (depending on label and carrier tape) |
| Band speed (HIGH RESOLUTION) | < 150 m/min (depending on label and carrier tape) |
| Band speed (SPEED) | < 500 m/min (depending on label and carrier tape) |
| Response time (STANDARD) | < 0.6 ms |
| Response time (HIGH RESOLUTION) | < 1.2 ms |
| Response time (SPEED) | < 0.3 ms |
| Readiness delay (max.) | 300 ms |
| Ambient conditions | |
| Ambient temperature during operation | 0 ... +60 °C |
| Protection type | IP 67 |
| Electrical connection | |
| Connection | Connector, M12, 4-pin |
| Accessories | |
| Connection cable | VK ... |
| More information / accessories | https://www.di-soric.com/214209 |