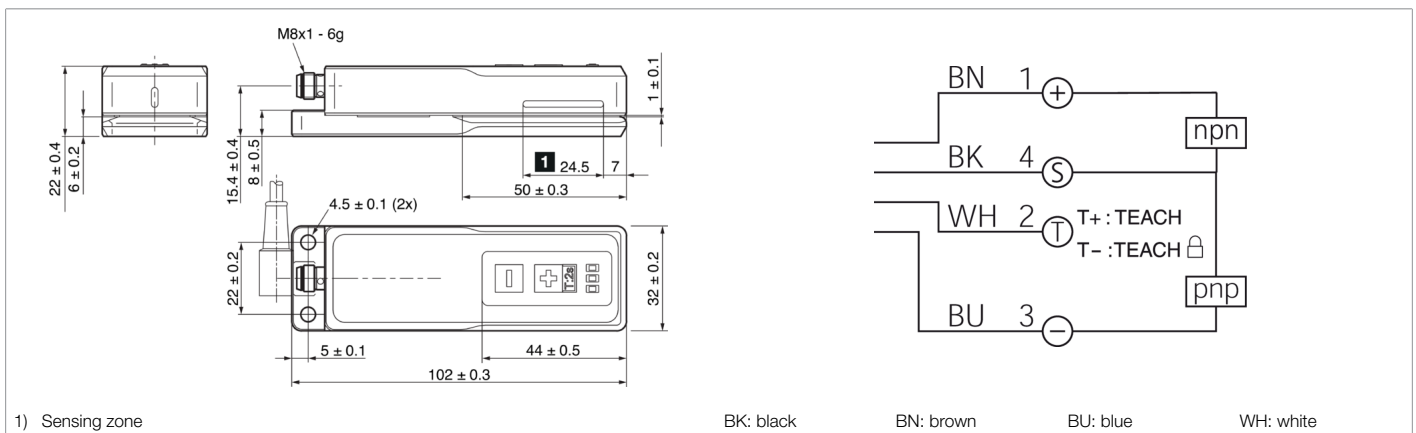




**214207**  
**KGUTI50-1-G3-T4**  
**Capacitive label sensor**

- 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   |
|-----------------------------------|--|
| Service voltage                   | 18 ... 30 V DC   |
| No-load current (max.)            | < 40 mA  |
| Insulation voltage endurance      | 500 V  |
| Leg length internal               | 50 mm  |
| Housing dimensions                | 32 x 22 x 102 mm   |
| Housing length                    | 102 mm   |
| Housing height                    | 22 mm  |
| Housing width                     | 32 mm  |
| Housing material                  | Aluminum (Black, Anodized)   |
| Protection class                  | III, operation on protective low voltage                               |
| Approvals                         | UL   |
| Operating principle               | Capacitive   |
| Design                            | Fork   |
| Characteristics                   | Connector outlet at the back   |
| Product series                    | KGUTI Capacitive   |
| Operating modes                   | STANDARD, HIGH RESOLUTION, SPEED                                       |
| Scope of delivery                 | Sensor, Instructions available online                                  |
| 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) |
| Fork opening                      | 1 mm   |
| Detection range                   | 22 mm  |
| Reproducibility (STANDARD)        | < 0.15 mm  |
| Reproducibility (HIGH RESOLUTION) | < 0.1 mm   |



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| Technical data (typ.)                | +20°C, 24 V DC  |
|--------------------------------------|---|
| Reproducibility (SPEED)              | < 0.2 mm  |
| Label length                         | > 2 mm  |
| Label interspace                     | > 2 mm  |
| Label thickness                      | < 0.9 mm  |
| Sensitivity adjustment               | Keypad, Remote teach, IO-Link   |
| Display                              | LED Green - Status, yellow - Switching output, Red - Warning                  |
| 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 temperature during operation | 0 ... +60 °C  |
| Protection type                      | IP 67   |
| Connection                           | Connector, M8, 4-pin  |
| Connection cable                     | TK ... /4   |
| More information / accessories       | <a href="https://www.di-soric.com/214207">https://www.di-soric.com/214207</a> |