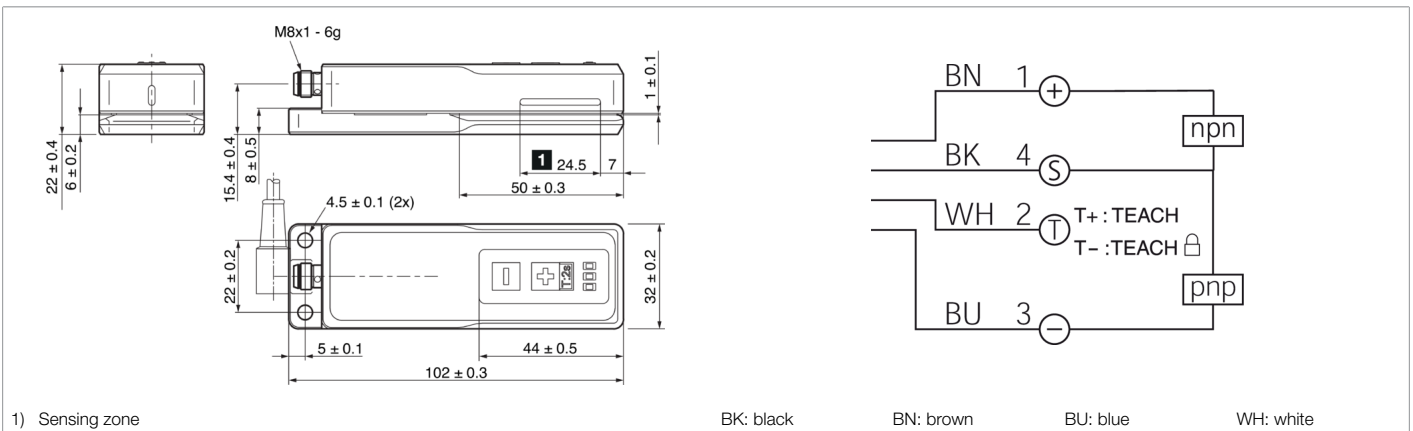




214207
KGUTI50-1-G3-T4
Capacitive label sensor

- 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

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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	https://www.di-soric.com/214207