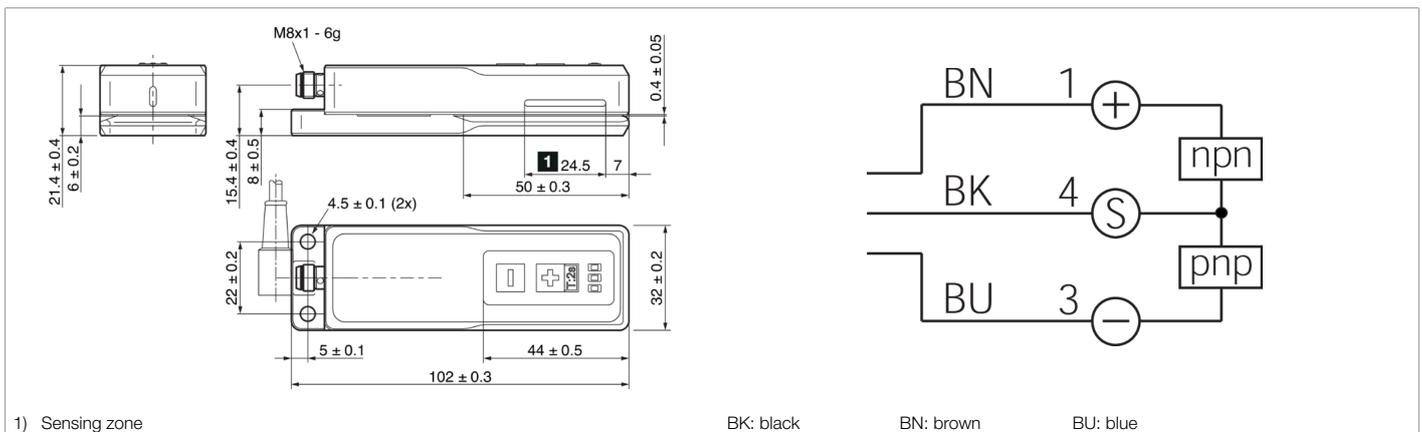# di-soric

214204
KGUTI50-0.4-G3-T3
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

1) Sensing zone

BK: black   BN: brown   BU: blue

Function

IO-Link

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	0.4 mm
Leg length internal	50 mm
Housing dimensions	32 x 21,4 x 102 mm
Housing length	102 mm
Housing height	21.4 mm
Housing width	32 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 back
Product series	KGUTI Capacitive

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Capacitive label sensor

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	< 0.3 mm
Display, operation	
Sensitivity adjustment	Keypad, 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, M8, 3-pin
Accessories	
Connection cable	TK …
More information / accessories	**https://www.di-soric.com/214204**