

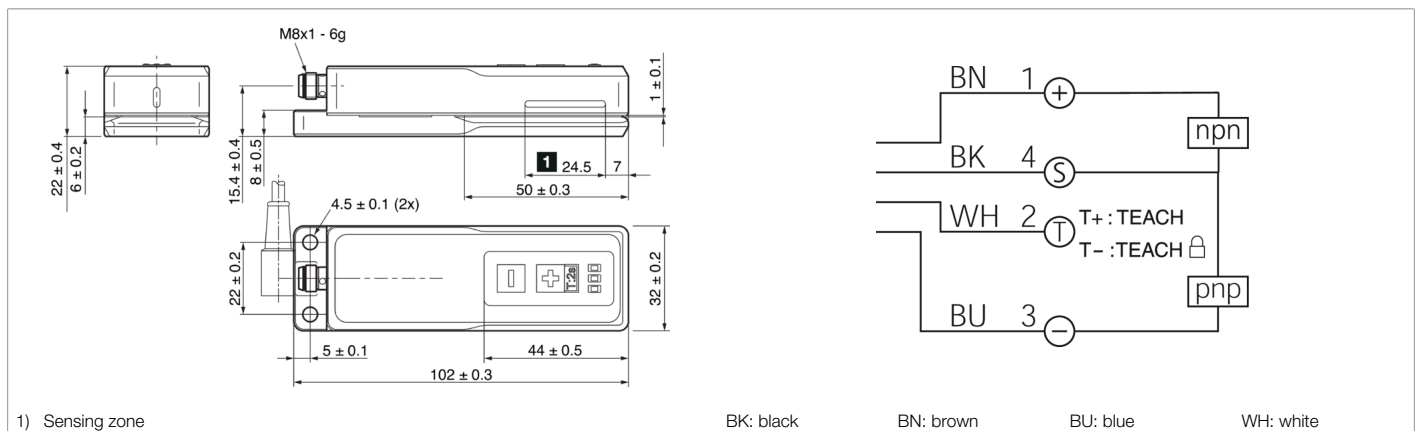


214207

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

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	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)

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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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, M8, 4-pin	
Accessories		
Connection cable	TK ... /4	
More information / accessories		https://www.di-soric.com/214207