di-soric

214208
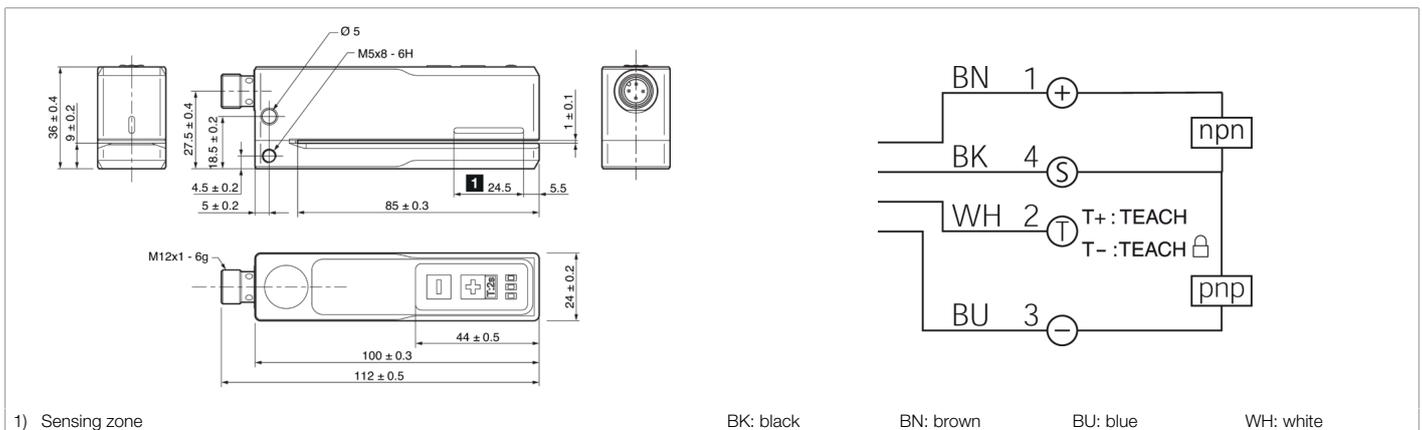**KGUTI80-1-G3-B4**
Capacitive label sensor

- 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)

1) Sensing zone

BK: black   BN: brown   BU: blue   WH: white

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	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 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	< 0.9 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/214208