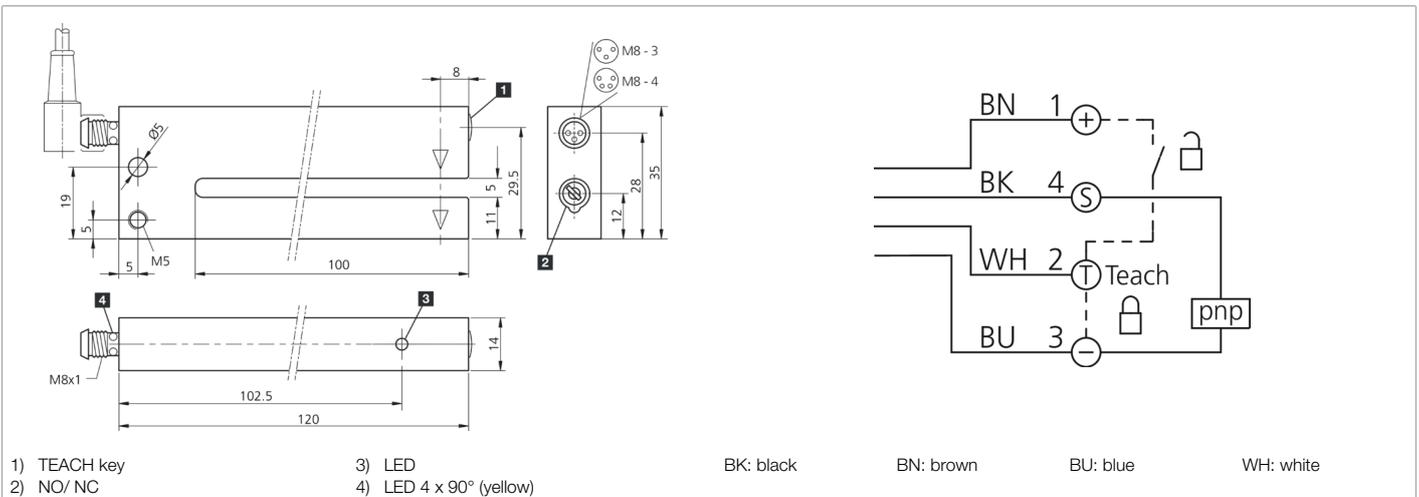




202708
OGUTI 005/100 FP3K-TSSL
Optical label sensor

- Fast, simple, safe: Sensitivity adjustment via teach key
- Auto-teach during a running process
- Remote teach option with key-lock function
- LED indicator for the teach procedure
- Large insertion depth for ideal probing position
- Detection of even the smallest objects
- Large functional reserve
- Light/dark switching



Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	10 ... 35 V DC (Supply Class 2)
No-load current (max.)	35 mA
Insulation voltage endurance	500 V

Mechanical features

Fork opening	5 mm
Leg length internal	100 mm
Housing dimensions	35 x 120 x 14 mm
Housing length	120 mm
Housing height	35 mm
Housing width	14 mm
Housing material	Die-cast zinc (Black, painted)

Certifications, approvals

Protection class	III, operation on protective low voltage
Approvals	UL

General features

Operating principle	Optical
Evaluation	digital
Design	Fork
Product series	OGUTI Optical



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Technical data (typ.)		+20°C, 24 V DC
Output, input, interface		
Switching output	pnp, 200 mA, NO/NC, switchable	
Voltage drop (max.)	2 V	
Optical data		
Light source	LED	
Color	Infrared	
Wavelength	880 nm	
Modulation	Clocked	
Ambient light immunity	40 kLx	
Detection range, measuring range, tolerance limits		
Resolution	Ø 0.5 mm	
Switching hysteresis (max.)	0.1 mm	
Reproducibility	< 0.03 mm	
Display, operation		
Sensitivity adjustment	Teach button, Remote teach	
Time behavior		
Switching frequency	3000 Hz	
Ambient conditions		
Ambient temperature during operation	-10 ... +60 °C	
Protection type	IP 67	
Electrical connection		
Connection	Connector, M8, 4-pin	
Accessories		
Connection cable	TK ...	
More information / accessories		https://www.di-soric.com/202708