

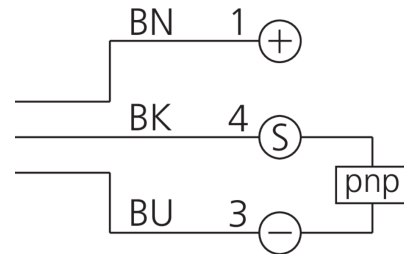
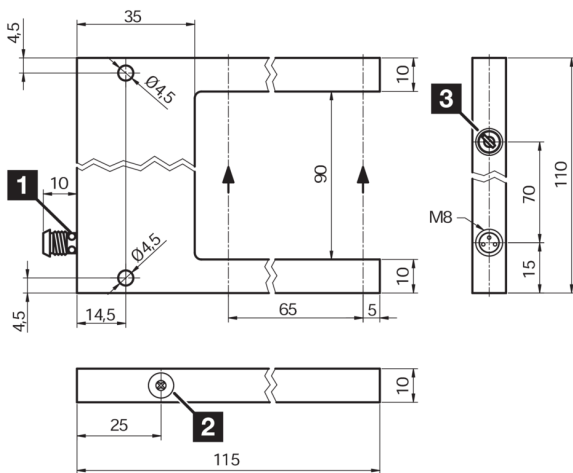


201172

ODG 90 P3K-TSSL

Differential fork light barrier

- High resolution
- Metal casing
- Electronics integrated
- Differential evaluation
- Sensitivity is adjustable
- High switching frequency
- Light/dark switching
- Bright ring LED



1) LED 4 x 90° (yellow)
2) sensitivity

3) NO/ NC

BK: black

BN: brown

BU: blue

Function



Technical data (typ.)

+20°C, 24 V DC

Service voltage	12 ... 35 V DC
No-load current (max.)	35 mA
Insulation voltage endurance	500 V
Leg length internal	80 mm
Housing dimensions	110 x 115 x 10 mm
Housing length	115 mm
Housing height	110 mm
Housing width	10 mm
Housing material	Aluminum (Black, Anodized)
Protection class	III, operation on protective low voltage
Operating principle	Optical
Evaluation	digital, differential
Design	Fork
Switching output	pnp, 200 mA, NO/NC, switchable
Voltage drop (max.)	2.5 V
Light source	LED
Color	Infrared
Modulation	non-clocked
Ambient light immunity	5 kLx



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ODG 90 P3K-TSSL
Differential fork light barrier

Technical data (typ.)	+20°C, 24 V DC
Fork opening	90 mm
Resolution	Ø 0.25 mm
Switching hysteresis (max.)	0.2 mm
Reproducibility	0.01 mm
Sensitivity adjustment	Potentiometer
Switching frequency	5000 Hz
Ambient temperature during operation	0 ... +60 °C
Protection type	IP 67
Connection	Connector, M8, 3-pin
Connection cable	TK ...
More information / accessories	https://www.di-soric.com/201172