

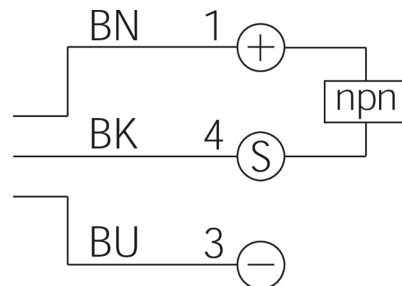
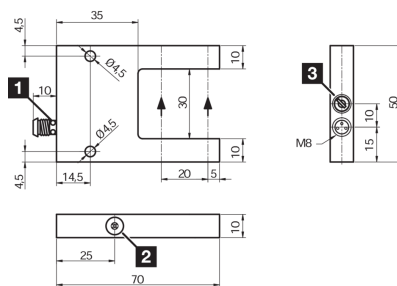


201165

ODG 30 N3K-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	35 mm
Housing dimensions	50 x 70 x 10 mm
Housing length	70 mm
Housing height	50 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	npn, 200 mA, NO/NC, switchable
Voltage drop (max.)	2.5 V
Light source	LED
Color	Infrared
Modulation	non-clocked
Ambient light immunity	5 kLx
Fork opening	30 mm
Resolution	Ø 0.07 mm
Switching hysteresis (max.)	0.2 mm
Reproducibility	0.01 mm
Sensitivity adjustment	Potentiometer
Switching frequency	5000 Hz



201165
ODG 30 N3K-TSSL
Differential fork light barrier

Technical data (typ.)**+20°C, 24 V DC**

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/201165>