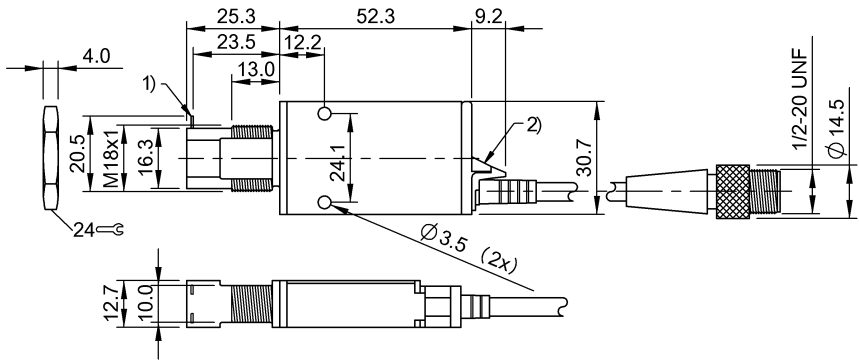




1) Fiber clamp, 2) Removable cover



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IND.CONT.EQ
9L77

Display/Operation

Adjuster	5-turn potentiometer Slide switch
Display	Output function- LED yellow LED green: Power Short circuit - LED orange, flashing Stability - LED orange
Setting	Light-on/dark-on Sensitivity (Sn)

Electrical connection

Cable length L	0.2 m
Connection	Cable with connector, 1/2"-20 UNF-Male, 0.20 m, PVC
Electrical version	2-wire
Fiber optics connection	BFO 48G-...
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

No-load current I_0 max. at U_e	2 mA
Operating voltage U_b	22...250 VDC/22...250 VAC
Protection class	II
Rated insulation voltage U_i	300 V AC
Rated operating current I_e	100 mA
Rated operating voltage U_e AC	115 V
Rated operating voltage U_e DC	24 V
Switching frequency	60 Hz
Turn-off delay t_{off} max.	8.3 ms
Turn-on delay t_{on} max.	8.3 ms
Voltage drop U_d max. at I_e	8 V

Environmental conditions

Ambient temperature	-20...70 °C
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms, 3x6
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67 1200 psi pressure washing

Photoelectric Sensors
BOS 16K-AU-0F1-00.2-S21
Order Code: BOS00NH

BALLUFF

General data

Approval/Conformity	CE
	CSA
	cULus
	EAC
	WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Fiber optic device
Series	16K
Style	Square
	Straight connection

Material

Housing material	PPE
Material jacket	PVC

Mechanical data

Dimension	12.7 x 30.7 x 86.8 mm
Mounting	Screw M3
	Nut M18x1
Tightening torque max.	1.1 Nm

Optical data

Light type	Infrared
Principle of optical operation	depends on fiber optics
Switching function, optical	Light/dark switching
Wave length	880 nm

Output/Interface

Switching output	polarized normally open/normally closed (NO/NC)
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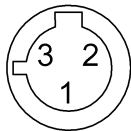
Range/Distance

Range	depends on fiber optics
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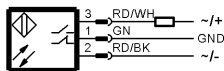
Remarks

The sensor is functional again after the overload has been eliminated.
For additional information, refer to user's guide.
Order accessories separately.
Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Use an R/C (CYJV2) cable with suitable properties for attaching the device.

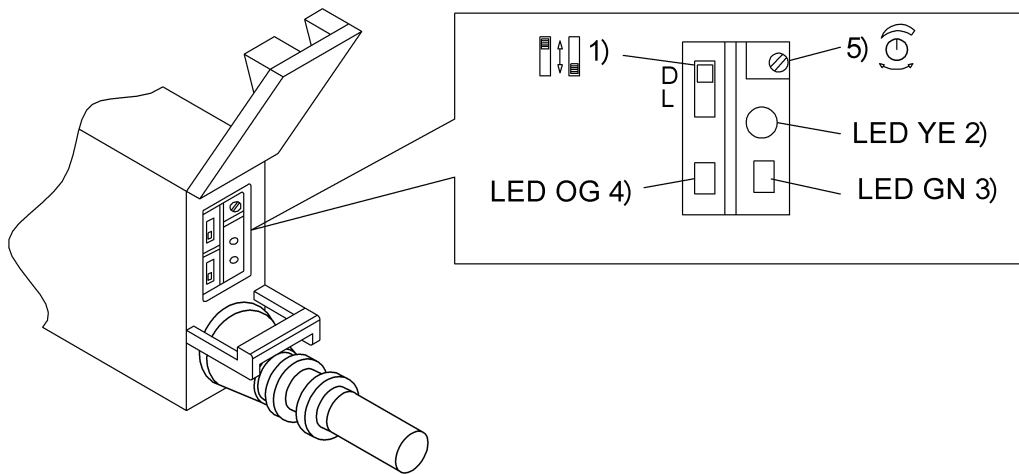
Connector Drawings



Wiring Diagrams



Help Views



- 1) Light-on/dark-on
- 2) Output function
- 3) Operating voltage
- 4) Stability/Short-circuit
- 5) Sn

Opto Symbols

