

1) Display and control panel



#### Basic features

Approval/Conformity	CE EAC WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Signal amplifier
Series	SA-OH
Style	Square Straight connection

#### Electrical connection

Cable diameter D	3.70 mm
Cable length L	2 m
Conductor cross-section	0.14 mm <sup>2</sup>
Connection	Cable, 2.00 m, PVC
Contact, surface protection	Gold plated
Number of conductors	4
Polarity reversal protected	yes
Short-circuit protection	yes

#### Display/Operation

Adjuster	Slide switch 3 positions
Display	Output function- LED yellow Stability - LED green
Setting	Sensitivity (Sn) Light-on/dark-on Time function on/off Resolution normal/high On/off-delay

#### Electrical data

No-load current I <sub>0</sub> max. at U <sub>e</sub>	45 mA
Operating voltage U <sub>b</sub>	10...30 VDC
Rated operating current I <sub>e</sub>	100 mA
Rated operating voltage U <sub>e</sub> DC	24 V
Switching frequency	10000 Hz
Turn-off delay t <sub>off</sub> max.	0.05 ms
Turn-on delay t <sub>on</sub> max.	0.05 ms
Voltage drop U <sub>d</sub> max. at I <sub>e</sub>	2.5 V

#### Environmental conditions

Ambient temperature	-10...55 °C
IP rating	IP54

#### Interface

Duration of time function	T = 50 ms
Switching output	PNP normally open/normally closed (NO/NC)
Time function	switch-off delay Turn-on delay

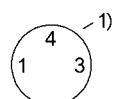
#### Material

Housing material	ABS PC
Material jacket	PVC

#### Remarks

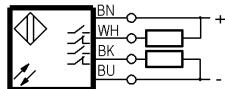
For additional information, refer to user's guide.  
The sensor is functional again after the overload has been eliminated.  
The range of sensors (BOH) is reduced with these amplifiers. Diffuse and through-beam sensors typically achieve a range of 50%.

#### Connector Drawings

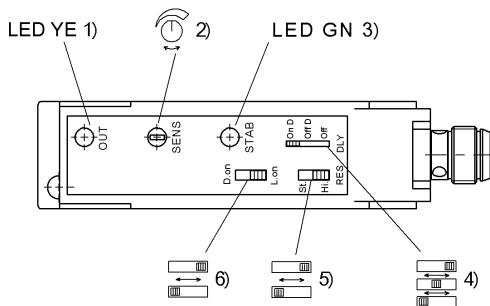


1) Sensor connection

#### Wiring Diagrams



## Help Views



- 1) Output function
- 2) Sensitivity
- 3) Stability
- 4) On-/off-delay
- 5) Resolution normal/high
- 6) Light-on/dark-on

## Opto Symbols

