

1) Display and control panel, 2) Cover, 3) DIN rail



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

Display/Operation

Adjuster	Slide switch 3 positions
Setting	Sensitivity (Sn) Light-on/dark-on Time function on/off On-/off-delay Automatic gain

Electrical connection

Connection	Connector, M8x1-Male, 4-pin
Contact, surface protection	Gold plated
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

No-load current I_0 max. at U_e	45 mA
Operating voltage U_b	10...30 VDC
Rated operating current I_e	100 mA
Rated operating voltage U_e DC	24 V
Switching frequency	10000 Hz
Turn-off delay t_{off} max.	0.05 ms
Turn-on delay t_{on} max.	0.05 ms
Voltage drop U_d max. at I_e	2.5 V

Environmental conditions

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

Interface

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

Material

Housing material	ABS PC
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Mechanical data

Dimension	15 x 36 x 61 mm
Mounting part	Screw M3 DIN rail 35 mm

Optical features

Principle of optical operation	depends on sensor head
Switching function, optical	Light/dark switching

Range/Distance

Range	depends on sensor head
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Remarks

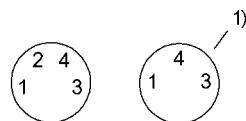
DIN rail included, order other accessories separately.

For additional information, refer to user's guide.

The sensor is functional again after the overload has been eliminated.

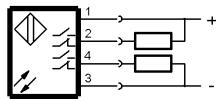
The range of sensors (BOH) is reduced with these amplifiers. Diffuse and through-beam sensors typically achieve a range of 50%.

Connector Drawings

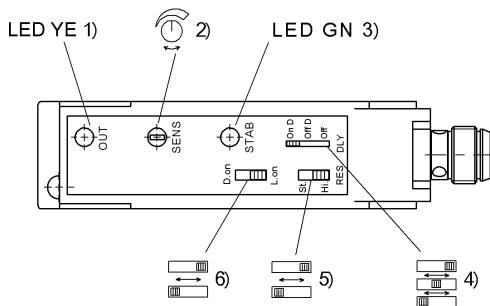


1) Sensor connection

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

