

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>o</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%.

Mechanical data

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

Optical features

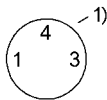
Principle of optical operation	depends on sensor head
Switching function, optical	Light/dark switching

Range/Distance

Range	depends on sensor head
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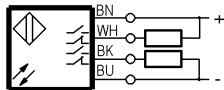
Connector Drawings

XS 911

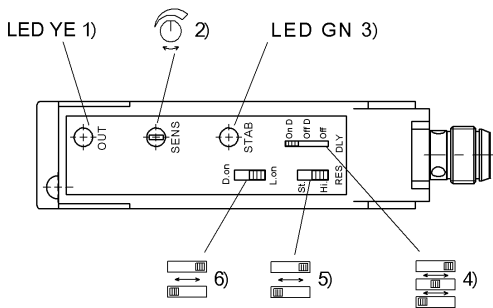


1) Sensor connection

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

