

1) Display and control panel



Basic features

Additional features	Auto-Synchronization prevents undesired signal cross-talk for max. 3 adjacently mounted amplifiers.
Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Signal amplifier
Series	SA-OH
Style	Square Straight connection

Display/Operation

Adjuster	Slide switch 4 positions or 3 positions
Display	Output function- LED yellow LED green: Power Error - LED green, flashing Signal strength - segment display
Setting	Sensitivity (Sn) Light-on/dark-on Read direction for segment display Segment display on/off Key disable on/off Factory setting (Reset) Alarm threshold Teach mode Aut/Fine/1-Pt/2-Pt Hysteresis (4 levels) Upper and lower threshold Delay time Window function/standard switching function

Electrical connection

Cable diameter D	3.70 mm
Cable length L	2 m
Conductor cross-section	0.14 mm ²
Connection	Cable, 2.00 m, PVC
Contact, surface protection	Gold plated
Number of conductors	5
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	200 mA
Rated operating voltage U_e DC	24 V
Switching frequency	500 Hz
Turn-off delay t_{off} max.	1 ms
Voltage drop U_d max. at I_e	2 V

Environmental conditions

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

Functional safety

MTTF (40 °C)	323 a
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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.
 For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Interface

Duration of time function	$T = 0...250$ ms
Switch function, supplementary output	Normally open (NO)
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

Mechanical data

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

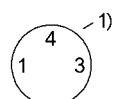
Optical features

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



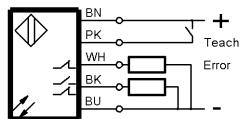
1) Sensor connection

Photoelectric Sensors
BAE SA-OH-050-PP-DV02
Order Code: BAE00YC

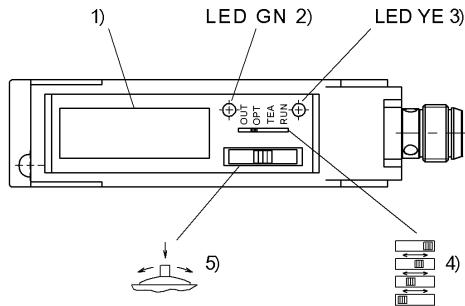
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Wiring Diagrams

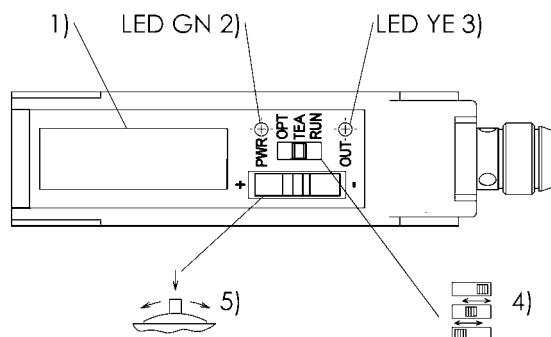
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Help Views



- 1) Display
- 2) Stability
- 3) Output function
- 4) Slide switch operating modes
- 5) Jog-Switch



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Opto Symbols

