

3) DIN rail, 6) OLED Display



**Basic features**

<b>Approval/Conformity</b>	CE WEEE cULus UKCA
<b>Basic standard</b>	IEC 60947-5-7
<b>Principle of operation</b>	Signal amplifier
<b>Scope of delivery</b>	Holder
<b>Series</b>	SA-OH
<b>Style</b>	Square Straight connection

**Display/Operation**

<b>Adjuster</b>	Jog switch button
<b>Display</b>	OLED Display supply voltage - LED green Signal - LED yellow Alarm function - LED red Sync - LED orange
<b>Power indicator</b>	Green LED
<b>Setting</b>	Auto-Synch Contrast of the OLED display External teach function Factory setting (Reset) Teach stat./dyn./man. Synchronization on/off Read direction of the OLED display Gain

Photoelectric Sensors  
**BAE SA-OH-061-UA-DP02**  
**Order Code: BAE011Y**



**Electrical connection**

Cable diameter D	3.5 mm
Cable length L	2 m
Conductor cross-section	0.14 mm <sup>2</sup>
Connection	Cable, 2 m, PUR
Contact, surface protection	Gold plated
Number of conductors	5
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

**Electrical data**

Input function	Emitter on/off Teach Sn
Load capacitance max. at Ue	47 nF
Load resistance RL min. (Analog V)	1 kOhm
No-load current Io max. at Ue	45 mA
Operating voltage Ub	15...30 VDC
Rated insulation voltage Ui	75 V DC
Rated operating voltage Ue DC	24 V
Switching frequency	1000 Hz 8 kHz (Superfast Mode)

**Environmental conditions**

Ambient temperature	-5...55 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms, 3x6
EN 60068-2-6, Vibration	10...55 Hz, 1 mm, 5 min
IP rating	IP54

**Functional safety**

MTTF (40 °C)	44 a
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**Interface**

Analog output	Analog, voltage 0...10 V
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**Material**

Housing material	PC
Material jacket	PA 12
	PUR

**Mechanical data**

Dimension	12 x 40.1 x 77.3 mm
Mounting part	DIN EN-50045 rail 15 mm DIN EN-50022 rail 35 mm Screw M3 (2x)

**Optical features**

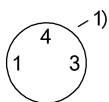
Principle of optical operation	depends on sensor head
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**Range/Distance**

Range	depends on sensor head
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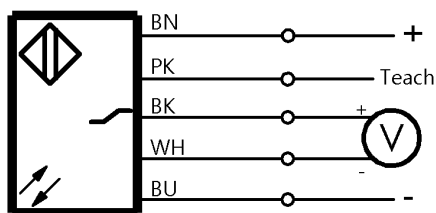
**Connector Drawings**

42094

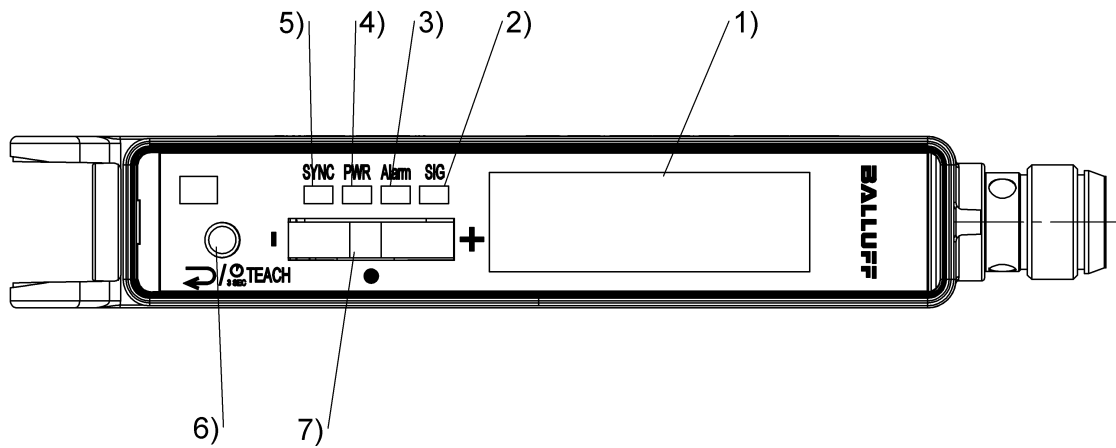


1) Sensor connection

**Wiring Diagrams**



## Help Views



- 1) Display
- 2) Status-LED SIG
- 3) Status-LED Alarm
- 4) Status-LED PWR
- 5) Status-LED SYNC
- 6) Return-/ Fast-Teach Button
- 7) Jog-Switch