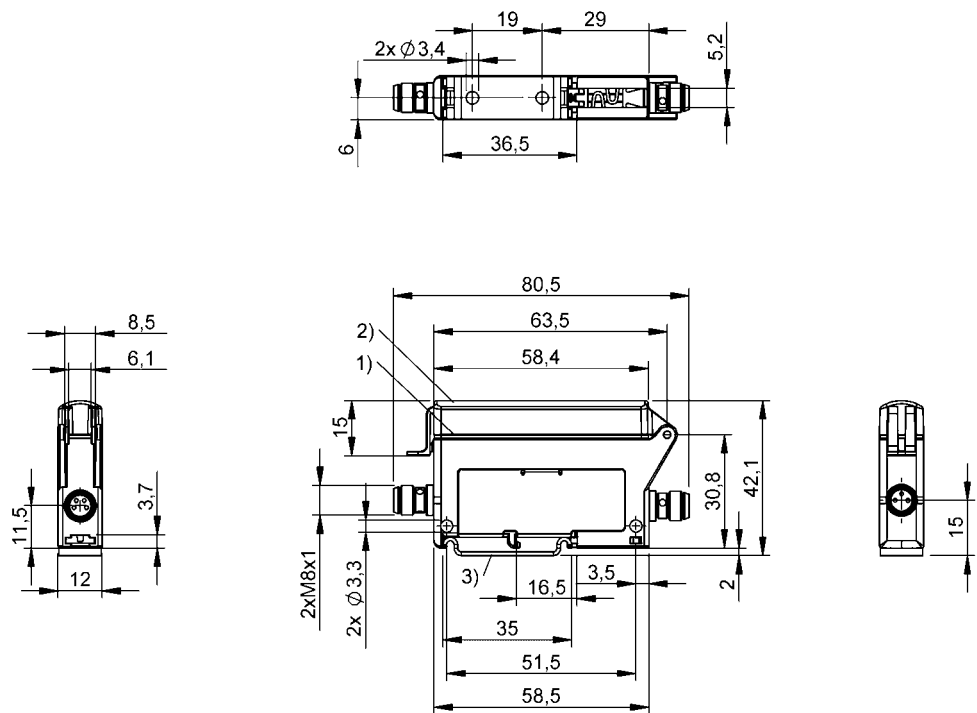




6) OLED Display



Basic features

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

Display/Operation

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

Electrical connection

Connection	Connector, M8x1-Male, 4-pin
Connection 2	Sensor BOH: M8x1-Male, 3-pin
Contact, surface protection	Gold plated
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at U _e	47 nF
Load resistance R _L min. (Analog V)	1 kOhm
No-load current I _o max. at U _e	45 mA
Operating voltage U _b	15...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating voltage U _e 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 g _n , 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 PA 12
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Mechanical data

Dimension	12 x 40.1 x 80.5 mm
Mounting part	DIN EN-50045 rail 15 mm DIN EN-50022 rail 35 mm Screw M3 (2x)

Optical features

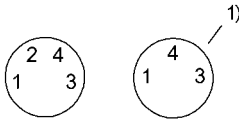
Principle of optical operation	depends on sensor head
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Range/Distance

Range	depends on sensor head
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Connector Drawings

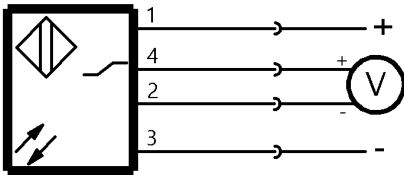
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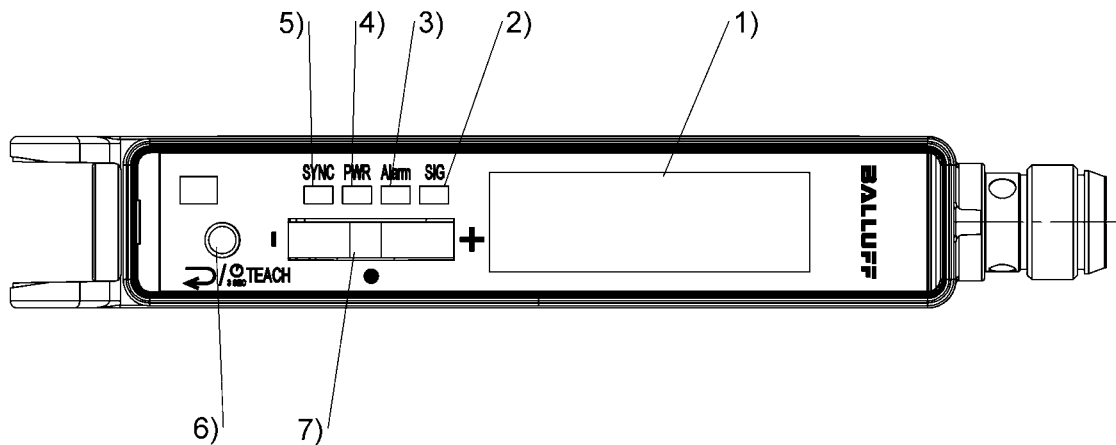
1) Sensor connection

Wiring Diagrams

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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