

1) Display and control panel



Basic features

Additional features	Switching output with automatic readjustment of the switching threshold Contamination compensation up to 50% intensity loss.
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 Teach Sn Read direction for segment display Segment display on/off Key disable on/off Factory setting (Reset) Hysteresis (4 levels) Integration time 4...128 ms Delay time Teach mode Aut/Hys/Int/Pot

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

Input function	Teach Sn
No-load current I_0 max. at U_e	45 mA
Operating voltage U_b	10...30 VDC
Rated operating voltage U_e DC	24 V
Switching frequency	500 Hz
Turn-off delay t_{off} max.	1 ms
Turn-on delay t_{on} max.	1 ms
Voltage drop U_d max. at I_e	2 V

Environmental conditions

Ambient temperature	-10...55 °C
IP rating	IP65

Remarks

The sensor is functional again after the overload has been eliminated.
 For additional information, refer to user's guide.
 DIN rail included, order other accessories separately.

Interface

Duration of time function	$T = 0 \dots 250$ ms
Supplementary output	Error output PNP
Switch function, supplementary output	Normally open (NO)
Switching output	PNP dynamic NO/NC
Time function	switch-off 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

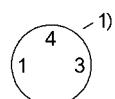
Optical features

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

Range/Distance

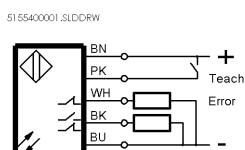
Range	depends on sensor head
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Connector Drawings



1) Sensor connection

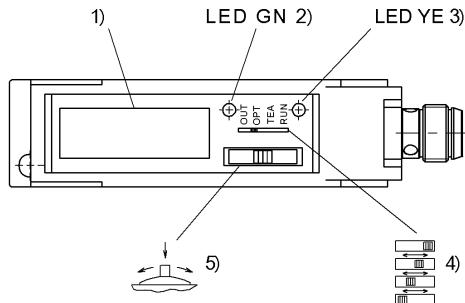
Wiring Diagrams



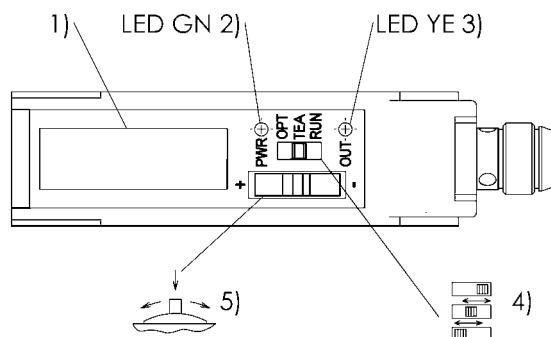
Photoelectric Sensors
BAE SA-OH-040-PP-DV02
Order Code: BAE00NJ

BALLUFF

Help Views



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



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Opto Symbols

