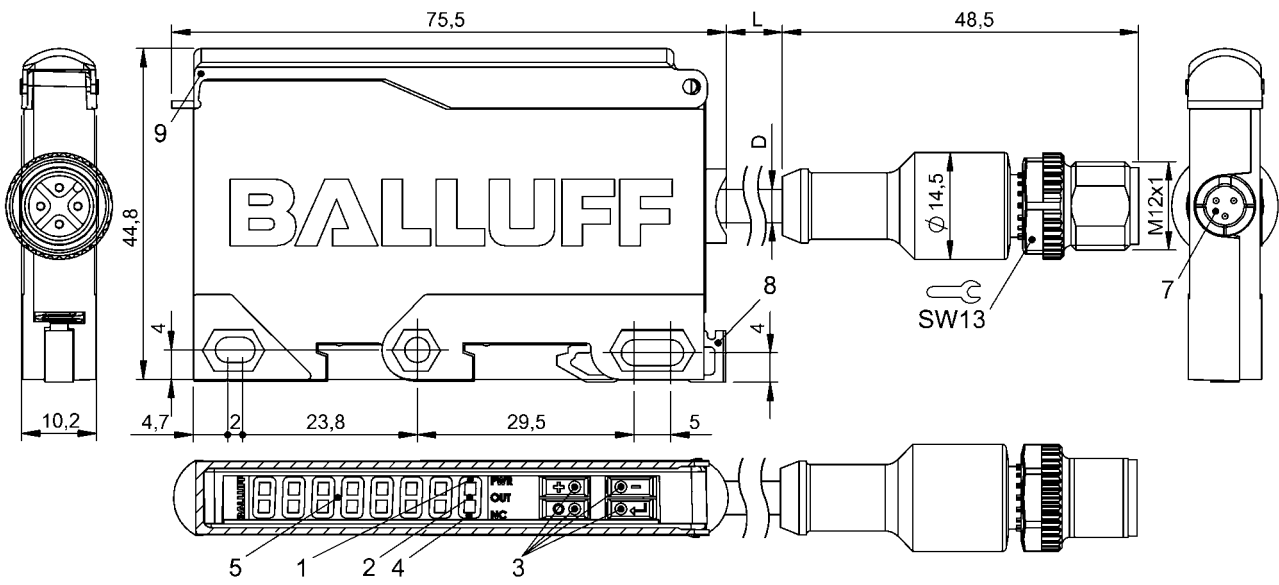


Capacitive Sensors
BAE SA-CS-027-YI-BP00,3-GS04
Order Code: BAE00LC



1) LED Power, 2) LED function indicator, 3) 4x operating keys, 4) LED N.C. function active, 5) 7x seven-segment display, 7) Plug connection sensor, 8) DIN rail mount 35mm, 9) Flap



Basic features

Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2
Series	BAE

Display/Operation

Adjuster	Key (4x)
Function indicator	yes
Power indicator	yes
Setting	External teach function Dynamic function Various switching modes Teaching switchpoints Time function on/off Sensitivity (Sn)

Electrical connection

Cable diameter D	4.50 mm
Cable length L	0.3 m
Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	0.001 µF
No-load current I _o max. at Ue	25 mA
Operating voltage U _b	18...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	50 mA
Rated operating voltage U _e DC	24 V
Ready delay t _v max.	200 ms
Residual current I _r max.	10 µA
Switching frequency	50 Hz
Utilization category	DC -13
Voltage drop U _d max. at I _e	2 V

Environmental conditions

Ambient temperature	-10...70 °C
IP rating	IP40

Functional safety

MTTF (40 °C)	403 a
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IO-Link

IO-Link Profi IDs	0x0001 SSP0
IO-Link function classes	0x8000 Device Identification 0x8001 Binary Data Channel 0x8002 Process Data Variables 0x8003 Device Diagnosis 0x8004 Teach Commands
Supported IO-Link Profiles	Legacy Smart Sensor Profile

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Interface

Cycle time min.	10 ms
Interface	IO-Link 1.1
Switching output	PNP/NPN NO/NC programmable
Time function	On/off delay time programmable

Material

Cover cap material	PA
Cover material	PBT
Housing material	PBT
Material jacket	PUR

Mechanical data

Dimension	10.5 x 45 x 75.5 mm
Mounting part	DIN EN-50045 rail 15 mm DIN EN-50022 rail 35 mm Screw M3

Remarks

Please observe EMC-conformal cable routing. All measuring and norm vales in the data sheet are referenced to 2 m single-ended cordset.
max. load current: 50mA with UL approval, <50 to 100mA possible, but without UL approval
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.

Connector Drawings



Wiring Diagrams

