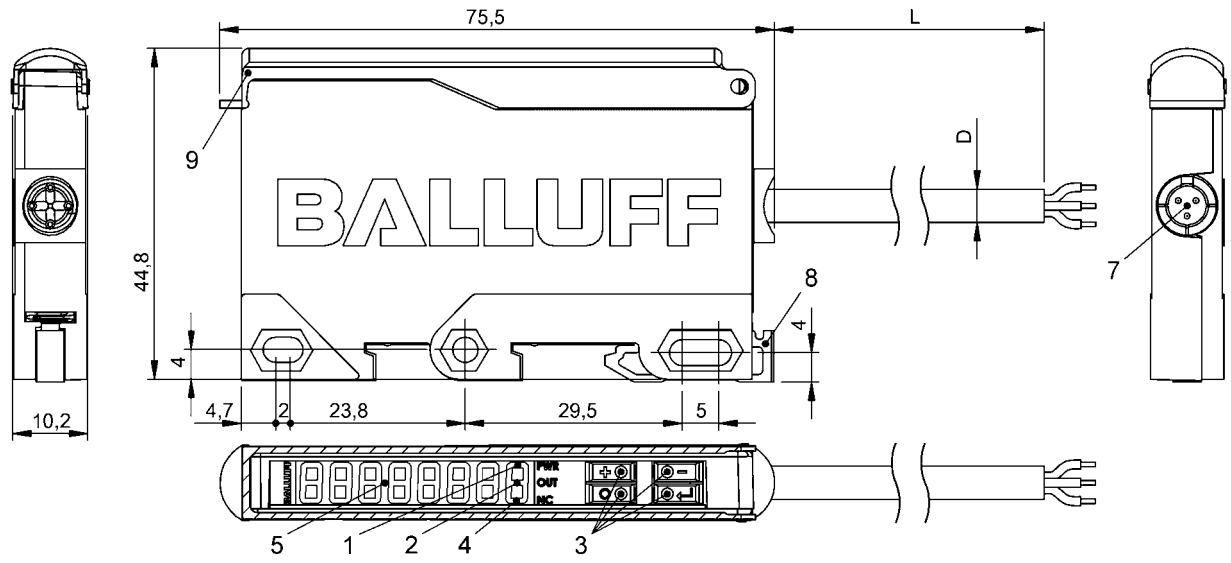


Capacitive Sensors
BAE SA-CS-026-YP-BP02
Order Code: BAE00KJ



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	Time function on/off
	Sensitivity (Sn)
	External teach function
	Dynamic function
	Various switching modes
	Teaching switchpoints
	Switching or analog

Electrical connection

Cable diameter D	4.50 mm
Cable length L	2 m
Conductor cross-section	0.25 mm ²
Number of conductors	4
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at U _e	0.33 µF
Load resistance R _L max. (Analog I)	400 ohms
Load resistance R _L min. (Analog V)	1 kOhm
No-load current I _o max. at U _e	25 mA
Operating voltage U _b	15...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	100 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)	252 a
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Interface

Analog output	Analog, voltage/Analog, current 0...10 V/4...20 mA
Switching output	PNP/NPN NO/NC programmable
Time function	On/off delay time programmable

Material		Mechanical data	
Cover cap material	PA	Dimension	10.5 x 45 x 75.5 mm
Cover material	PBT	Mounting part	Screw M3
Housing material	PBT		DIN EN-50022 rail 35 mm
Material jacket	PUR		DIN EN-50045 rail 15 mm

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
The connection to the connector must use a listed cable assembly (CYJV) with a minimum value of 80°C
The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.
If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output.
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.

Wiring Diagrams

