



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

## Electrical connection

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

## Electrical data

Load capacitance max. at Ue	0.33 µF
Load resistance RL max. (Analog I)	400 ohms
Load resistance RL min. (Analog V)	1 kOhm
No-load current Io max. at Ue	25 mA
Operating voltage Ub	15...30 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current Ie	50 mA
Rated operating voltage Ue DC	24 V
Ready delay tv max.	200 ms
Residual current Ir max.	10 µA
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop Ud max. at Ie	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

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

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.

## Connector Drawings



## Wiring Diagrams (Schematic)

