



Basic features

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

Display/Operation

Function indicator	yes
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Electrical connection

Connection type	1. Switch position: Screw terminals
Polarity reversal protected	yes

Electrical data

Load capacitance max. at Ue	1 µF
No-load current I _o max., undamped	30 mA
Output resistance R _a	2.2 kOhm + D + LED/4.7 kOhm + D
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	400 mA
Rated operating voltage U _e DC	24 V
Rated short circuit current	100 A
Ready delay t _v max.	10 ms
Residual current I _r max.	110 µA
Ripple max. (% of U _e)	10 %
Utilization category	DC -13
Voltage drop static max.	1.2 V

Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
IP rating	IP67

Functional safety

MTTF (40 °C)	695 a
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Interface

Switching output PNP normally open/normally closed (NO/NC)

Material

Housing material PA 12
Material sensing surface PA 12

Mechanical data

Connection cross-section 2.5 mm²
Dimension 60 x 11.8 x 33.7 mm
Installation for flush mounting
Tightening torque clamping screw 0.5 Nm

Range/Distance

Assured operating distance Sa 1. Switch position: 1.8 mm
Hysteresis H max. (% of Sr) 15.0 %
Range 2.2 mm
Rated operating distance Sn 1. Switch position: 2.2 mm
Real switching distance sr 2.2 mm
Repeat accuracy max. (% of Sr) 5.0 %
Temperature drift max. (% of Sr) 10 %

Remarks

Contents: Element, mounting screws, compression spring, spacer.

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 (Schematic)

