



### Basic features

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

### Display/Operation

Function indicator	yes
Power indicator	yes

### Electrical connection

Connection	1/2"-20 UNF-2A-Male, 3-pin
Polarity reversal protected	not relevant
Protection against device mix-ups	no
Short-circuit protection	yes

### Electrical data

Min. operating current $I_m$	4 mA
Operating voltage $U_b$	20...300 VDC/20...250 VAC
Rated insulation voltage $U_i$	250 V AC
Rated operating current $I_e$	300 mA
Rated operating voltage $U_e$ AC	110 V
Rated short circuit current	100 A
Residual current $I_r$ max.	800 $\mu$ A
Switching frequency	30 Hz
Utilization category	AC-140 DC -13
Voltage drop static max.	8 V

### Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g <sub>n</sub> , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67

### Interface

Switching output	normally open (NO)
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### Material

Housing material	Brass, nickel-plated
Material sensing surface	PBT

### Mechanical data

Dimension	Ø 18 x 70 mm
Installation	for flush mounting
Size	M18x1
Tightening torque	30 Nm

### Range/Distance

Assured operating distance $S_a$	6.4 mm
Hysteresis $H$ max. (% of $S_r$ )	15.0 %
Rated operating distance $S_n$	8 mm
Real switching distance $s_r$	8 mm
Switching distance marking	■
Tolerance $S_r$	±10 %

## Remarks

LED 1: Function  
LED 2: Operating voltage

## Connector Drawings



## Wiring Diagrams

