

1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) NO or NC selectable, 6) LED function indicator



**Basic features**

<b>Approval/Conformity</b>	CE cULus WEEE
<b>Basic standard</b>	IEC 60947-5-2
<b>Scope of delivery</b>	Nut (2x) Screwdriver Short guide
<b>Sensitivity</b>	Switching distance adjustable
<b>Series</b>	M30

**Display/Operation**

<b>Function indicator</b>	yes
<b>Power indicator</b>	yes

**Electrical connection**

<b>Connection</b>	M12x1-Male, 4-pin, A-coded
<b>Polarity reversal protected</b>	yes
<b>Protection against device mix-ups</b>	yes
<b>Short-circuit protection</b>	yes

**Electrical data**

<b>No-load current <math>I_0</math> max. at <math>U_e</math></b>	18 mA
<b>Operating voltage <math>U_b</math></b>	10...35 VDC
<b>Rated insulation voltage <math>U_i</math></b>	75 V DC
<b>Rated operating current <math>I_e</math></b>	300 mA
<b>Rated operating voltage <math>U_e</math> DC</b>	24 V
<b>Ripple max. (% of <math>U_e</math>)</b>	10 %
<b>Switching frequency</b>	100 Hz
<b>Utilization category</b>	DC -13
<b>Voltage drop static max.</b>	1.8 V

**Environmental conditions**

<b>Ambient temperature</b>	-30...70 °C
<b>Contamination scale</b>	1
<b>Protection degree</b>	IP66 IP64 at plug exit

**Functional safety**

<b>MTTF (40 °C)</b>	455 a
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**Material**

<b>Cover material</b>	PBT PE
<b>Housing material</b>	Stainless steel (1.4301)
<b>Material sensing surface</b>	PBT

### Mechanical data

Dimension	Ø 30 x 87 mm
Installation	for flush mounting
Size	M30x1.5
Thread (A)	M30x1.5
Tightening torque	90 Nm

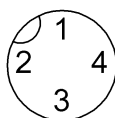
### Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	1...20 mm
Rated operating distance S <sub>n</sub>	20 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	20 %

### Output/Interface

Switching output                      PNP NO/NC programmable

### Connector Drawings



### Wiring Diagrams

