



1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED Power, 6) LED function indicator



**Basic features**

Approval/Conformity	CE UKCA cULus WEEE
Basic standard	IEC 60947-5-2
Sensitivity	Switching distance adjustable
Series	G34

**Display/Operation**

Function indicator	yes
Power indicator	yes

**Electrical connection**

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

**Electrical data**

Operating voltage $U_b$	10...30 VDC
Rated insulation voltage $U_i$	75 V DC
Rated operating current $I_e$	100 mA
Rated operating voltage $U_e$ DC	24 V
Ready delay $t_v$ max.	75 ms
Ripple max. (% of $U_e$ )	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

**Environmental conditions**

Ambient temperature	-5...85 °C
IP rating	IP67

**Interface**

Switching output	PNP normally open (NO)
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**Material**

Cover material	PBT PA
Housing material	POM
Material sensing surface	POM

**Mechanical data**

Dimension	Ø 34 x 77 mm
Installation	for flush mounting
Size	D34.0

**Range/Distance**

Hysteresis H max. (% of $S_r$ )	15.0 %
Measuring range	2...15 mm
Rated operating distance $S_n$	15 mm
Repeat accuracy max. (% of $S_r$ )	5.0 %
Temperature drift max. (% of $S_r$ )	20 % [-5...55 °C]

## Remarks

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.

## Connector Drawings



## Wiring Diagrams

