

CE cUL US UK
CA

Technical drawing of the LED strip light assembly, showing dimensions in millimeters (mm). The drawing includes a top view and a side view.

Top View Dimensions:

- Overall length: 27 mm
- Distance from left edge to LED strip start: 21.65 mm
- LED strip width: 5 mm
- Distance from LED strip end to connector start: L mm
- Connector length: 37.3 mm
- Connector thread: M8 x 1
- Connector height: 10 mm
- Mounting bracket width: 2.4 mm
- Mounting bracket height: 7.2 mm
- Mounting bracket hole diameter: 6 mm

Side View Dimensions:

- Overall height: 10 mm
- Distance from left edge to LED strip start: 10.2 mm
- LED strip width: 3 mm
- Distance from LED strip end to connector start: 3 mm

The LED strip is labeled "LED". The connector is labeled "9".

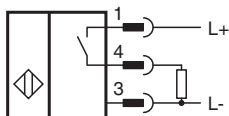
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	S _n	4 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	S _a	0 ... 3.24 mm
Reduction factor r _{Al}		0.4
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.7
Output type		3-wire

Operating voltage	U _B	4.75 ... 30 V DC
Switching frequency	f	0 ... 1000 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 3 V
Operating current	I _L	0 ... 100 mA
Off-state current	I _r	0 ... 0.5 mA typ. 0.1 µA at 25 °C

Technical Data

No-load supply current	I_0	$\leq 10 \text{ mA}$
Time delay before availability	t_v	$\leq 5 \text{ ms}$
Switching state indicator		LED, yellow
Safety-relevant product characteristics		
MTTF _d		2133 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed Load Type: Resistive Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 30 V DC Output Switching Current: 100 mA Further UL information see section "Additional Information"
CCC approval		CCC approval / marking not required for products rated $\leq 36 \text{ V}$
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		fixed cable with plug
Housing material		PPS
Sensing face		PPS
Degree of protection		IP67
Connector		
Threading		M8 x 1
Tightening torque		$\leq 0.4 \text{ Nm}$
Number of pins		3
Cable		
Cable diameter		3.5 mm $\pm$ 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		grey
Number of cores		3
Core cross section		0.14 mm ²
Length	L	130 mm
Dimensions		
Height		6 mm
Width		10 mm
Length		27 mm

Connection Assignment



Technical Features

Additional UL Information**Conditions of Acceptability:**

Suitability of the mounting means shall be determined in the end use application. The suitability of connection between supply connection and the end connector shall be determined in the end-use application.

The supply connections for these devices are intended for factory wiring only.

These devices shall be used within their recognized electrical ratings.

These proximity switches are intended to be powered by Listed Class 2 power supply or are located in a limited voltage / limited current circuit.