



CE cUL US UK
CA

Technical drawing of the LED strip light assembly, showing dimensions in millimeters (mm):

- Top View:**
 - Overall length: 27 mm
 - Distance from mounting hole to LED strip: 21.65 mm
 - LED strip width: 5 mm
 - Distance from LED strip to connector: L mm
 - Connector length: 37.3 mm
 - Mounting hole diameter: $\varnothing 2.4$ mm
 - Mounting hole offset: 7.2 mm
 - LED strip offset: 6 mm
- Side View:**
 - LED strip height: 10 mm
 - LED strip width: 10.2 mm
 - LED strip offset: 3 mm
 - Connector height: 10 mm
 - Connector thread: M8 x 1
- Detail View:**
 - Shows the LED strip and connector assembly.
 - Label: LED
 - Connector thread: M8 x 1

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
Functional safety related parameters		
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, General Purpose
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		$3.5 \text{ mm} \pm 0.2 \text{ mm}$
Bending radius		$> 10 \times \text{cable diameter}$
Material		PVC
Color		grey
Number of cores		3
Core cross section		0.14 mm^2
Length	L	0.5 m
Dimensions		
Height		6 mm
Width		10 mm
Length		27 mm

Connection

