

- 8 mm non-flush
- 4-wire DC



The technical drawing illustrates the dimensions of the LED module from three perspectives:

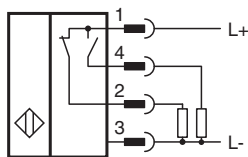
- Front View (Left):** Shows the overall width of 26 mm and height of 40 mm. The mounting hole has a diameter of $\varnothing 3.2$. A distance of 4 mm is specified between the mounting hole center and the left edge. The LED chip size is indicated as 3.2 x 5 mm. Other dimensions include 4.5 mm, 4 mm, and 4 mm.
- Side View (Top Right):** Shows the profile of the module with a total width of 12 mm and a height of 10 mm. It features two M3 mounting holes spaced 16 mm apart.
- Top View (Bottom Left):** Shows the mounting footprint with a square base of 8 mm by 8 mm and a diagonal dimension of $M8 \times 1$.

Operating voltage	U _B	10 ... 30 V DC
Switching frequency	f	0 ... 1400 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected

Technical Data

Short-circuit protection		pulsing
Voltage drop	U_d	$\leq 2.5\text{ V}$
Rated insulation voltage	U_{BIS}	60 V
Operating current	I_L	0 ... 250 mA
Off-state current	I_r	0 ... 0.01 mA typ. 0.1 μA at 25 °C
No-load supply current	I_0	$\leq 15\text{ mA}$
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		1530 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		
Protection class		II
Rated insulation voltage	U_i	60 V
Rated impulse withstand voltage	U_{imp}	800 V
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)
Mechanical specifications		
Connection type		Connector plug M8 x 1 , 4-pin
Housing material		PA
Sensing face		PA
Degree of protection		IP67
Tightening torque, fastening screws		Threading M3 max: 1.1 Nm
Dimensions		
Height		40 mm
Width		12 mm
Length		26 mm

Connection



Connection Assignment



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Connection Assignment

Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

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