

- 10 mm non-flush
- 3-wire DC



Technical drawing of the LED module showing front and side views with dimensions.

Front View (Left):

- Overall width: 25
- Overall height: 38.5
- Distance from top edge to the center of the LED: 18
- Distance from left edge to the center of the LED: 12.5 (indicated by a dashed line)
- LED diameter: 4.3
- Distance from the LED center to the top edge of the mounting hole: 4.5
- Distance from the LED center to the bottom edge of the mounting hole: 5.8
- Distance from the LED center to the right edge of the mounting hole: 9
- Mounting hole diameter: 18
- Mounting hole offset from the center: 4.3

Side View (Right):

- Overall width: 25.5
- Overall height: 10
- Distance from top edge to the center of the LED: 7
- LED diameter: M12 x 1

General specifications

Switching function		Normally open (NO)
Output type		NPN
Rated operating distance	s _n	10 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s _a	0 ... 8.1 mm

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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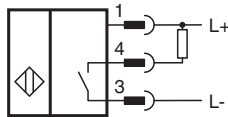
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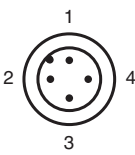
Technical Data

Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.6
Output type		3-wire
Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 500 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 μ A at 25 °C
No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		3178 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 ≤ 36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector plug M12 x 1 , 4-pin
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67
Dimensions		
Height		25.5 mm
Width		25 mm
Length		38.5 mm

Connection



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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