

- Rotational speed controller
- 15 mm flush
- Start-up override time = approx. 30 s
- Up to 100 Hz



Technical drawing of the LED 1 module. The top view shows a side profile with a total width of 118 mm and a mounting flange width of 11 mm. The bottom view shows a front profile with a total width of 118 mm, a mounting flange width of 30 mm, and a central LED area of 60 mm. Dimensions include 58 mm, 40.5 mm, 46.5 mm, and 5.5 mm. The drawing includes a callout for 'LED 2' and a mounting hole specification of 'M20 x 1.5'.

General specifications

Switching function		Normally open (NO)
Output type		PNP
Frequency range		10 ... 100 Hz , adjustable
Rated operating distance	s _n	15 mm
Installation		flush
Output polarity		DC
Assured operating distance	s _a	0 ... 12.15 mm
Reduction factor r _{AI}		0.4
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.85
Output type		3-wire
Nominal ratings		
Operating voltage	U _B	15 ... 60 V DC
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 2 V

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

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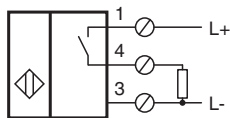
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Technical Data

Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	≤ 25 mA
Switching state indicator		LED 1: yellow
Damping indicator		LED 2: yellow
Functional safety related parameters		
MTTF _d		820 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		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		screw terminals
Information for connection		A maximum of two conductors with the same core cross section may be mounted on one terminal connection! tightening torque 1.2 Nm + 10 %
Core cross section		up to 2.5 mm ²
Minimum core cross-section		without wire end ferrules 0.5 mm ² , with connector sleeves 0.34 mm ²
Maximum core cross-section		without wire end ferrules 2.5 mm ² , with connector sleeves 1.5 mm ²
Housing material		PBT
Sensing face		PBT
Degree of protection		IP67
Dimensions		
Height		40 mm
Width		40 mm
Length		118 mm

Connection



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