

- 40 mm non-flush
- 4-wire DC
- Weld Immune
- Active surface thermoset
- 2-way LED indicator



Technical drawing of the LED module showing three views: front, side, and top.

Front View: Shows the module with four LEDs labeled **LED ye** and **LED gn**. The central lens is circular. The module has a square footprint.

Side View: Shows the module's profile. Dimensions include a total width of **67**, a height of **28**, a mounting hole diameter of **M12 x 1**, and a distance of **7** from the bottom edge to the mounting hole.

Top View: Shows the module's footprint. Dimensions include a total width of **40**, a total height of **40**, a mounting hole diameter of **5.5**, and a distance of **28** between the mounting holes. The module has a square footprint.

Technical Data

Switching function		complementary
Output type		PNP
Rated operating distance	s _n	40 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s _a	0 ... 32.4 mm
Actual operating distance	s _r	36 ... 44 mm
Reduction factor r _{Al}		0.35
Reduction factor r _{Cu}		0.3
Reduction factor r ₃₀₄		0.73
Reduction factor r _{Brass}		0.43
Output type		4-wire

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

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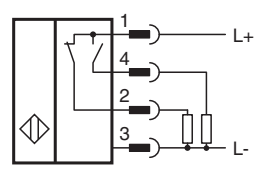
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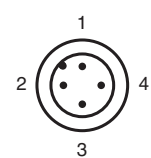
Technical Data

Nominal ratings		
Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 5 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 ... 200 mA
Off-state current	I_r	0 ... 0.5 mA
No-load supply current	I_0	≤ 20 mA
Time delay before availability	t_v	80 ms
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Functional safety related parameters		
MTTF _d		1190 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
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 ... 85 °C (-13 ... 185 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Connection type		Connector plug M12 x 1 , 4-pin
Housing material		GD-ZnAl4Cu1, Coated metal fixing flange, coated.
Sensing face		Duroplast
Degree of protection		IP67

Connection



Connection Assignment



Release date: 2020-03-23 Date of issue: 2020-03-30 Filename: 183739_eng.pdf

Wire colors in accordance with EN 60947-5-2

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

Accessories

	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	MHW 01	Modular mounting bracket
	MH 02-L	Mounting aid

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