

- 10 mm flush
- Usable up to SIL 2 acc. to IEC 61508
- Stainless steel housing



Technical drawing of the LED light fixture showing dimensions and specifications:

- Top thread: M30x1,5
- Top flange thickness: 5
- LED chip dimensions: 36
- LED chip label: LED
- LED chip thickness: 6
- Bottom thread: M12x1
- Overall height from top flange to LED chip: 40
- Overall height from top flange to bottom thread: 45
- Overall height from top flange to bottom of LED chip: 55

General specifications

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

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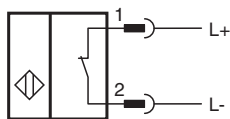
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Technical Data

Switching frequency	f	0 ... 200 Hz
Hysteresis	H	1 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		yes
Current consumption		
Measuring plate not detected		min. 2.2 mA
Measuring plate detected		≤ 1 mA
Switching state indicator		Multihole-LED, yellow
Functional safety related parameters		
MTTF _d		1821 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999
Electromagnetic compatibility		NE 21:2007
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		
EAC conformity		TR CU 012/2011
UL approval		
Ordinary Location		E87056
Hazardous Location		E501628
Control drawing		116-0452
CSA approval		cCSAus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Storage temperature		-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications		
Connection type		Connector plug M12 x 1, 4-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67
Equipment protection level Dc (tc)		
Special conditions		
Maximum permissible ambient temperature T _{Umax}		Values can be obtained from the following list, depending on the max. operating voltage U _{Bmax} and the minimum series resistance R _v .
General information		
Use in the hazardous area		see instruction manuals

Connection



Wire colors in accordance with EN 60947-5-6

1		BN	(brown)
2		BU	(blue)

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