

- 15 mm flush
- Stainless steel sensing face
- Increased operating distance



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

- Top thread: M30 x 1.5
- Top flange thickness: 2.5
- Mounting bracket thickness: 5
- Mounting bracket width: 36
- LED indicator label: LED
- Bottom thread: M12 x 1
- Overall height from mounting bracket: 40
- Overall height from top flange: 50
- Overall height from bottom thread: 55
- Overall height from mounting bracket: 65

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s _n	15 mm
Installation		flush (Requirements: see drawing below)
Output polarity		DC
Assured operating distance	s _a	0 ... 12.15 mm
Actuating element		Ferrous and nonferrous targets
Reduction factor r _{Al}		0.4
Reduction factor r _{Cu}		0.2
Reduction factor r ₃₀₄		0.85
Reduction factor r _{Si37}		1
Output type		2-wire
Nominal ratings		
Operating voltage	U _B	6 ... 30 V
Switching frequency	f	150 Hz
Hysteresis	H	5 ... 15 typ. 10 %

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

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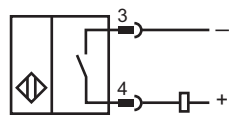
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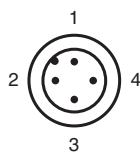
Technical Data

Reverse polarity protection		reverse polarity-conductive
Short-circuit protection		yes
Voltage drop	U _d	< 3 V DC
Operating current	I _L	2 ... 100 mA
Off-state current	I _r	< 400 µA
Functional safety related parameters		
MTTF _d		970 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Operation indicator		4-way LED Yellow: output
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		0 ... 70 °C (32 ... 158 °F)
Mechanical specifications		
Connection type		Connector plug
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
Connector		
Threading		M12 x 1
Number of pins		4
Mass		144 g
Dimensions		
Length		65 mm
Diameter		30 mm

Connection



Connection Assignment



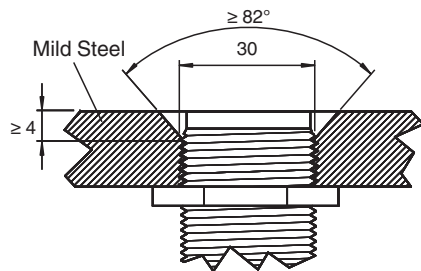
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Connection Assignment

Wire colors in accordance with EN 60947-5-2

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

Mounting



Sensor face is flush with mounting surface.