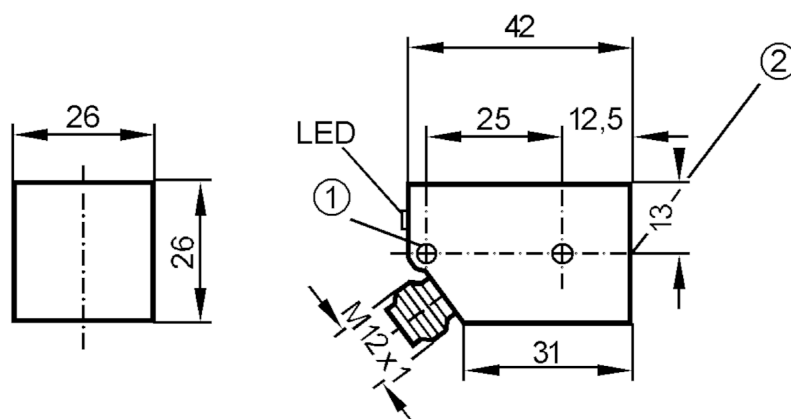




- 1 fixing holes M4 reinforced
2 Sensing face



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	10
Housing	rectangular
Dimensions [mm]	26 x 26 x 42

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.5
Minimum load current [mA]	2
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	250
Short-circuit protection	yes
Type of short-circuit protection	pulsed



Inductive sensor

Overload protection	yes
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Detection zone	
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Sensing range	[mm]	10
Real sensing range S_r	[mm]	$10 \pm 10 \%$
Operating distance	[mm]	0...8.1

Accuracy / deviations	
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Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions	
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Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals		
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EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data	
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Housing		rectangular
Sensing face		front
Mounting		flush mountable
Dimensions	[mm]	26 x 26 x 42
Materials		PBT

Displays / operating elements		
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Display	switching status	1 x LED, red
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Remarks	
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Pack quantity	1 pcs.
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Electrical connection - plug	
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Connector: 1 x M12; coding: A



IO9910

Inductive sensor



Connection

