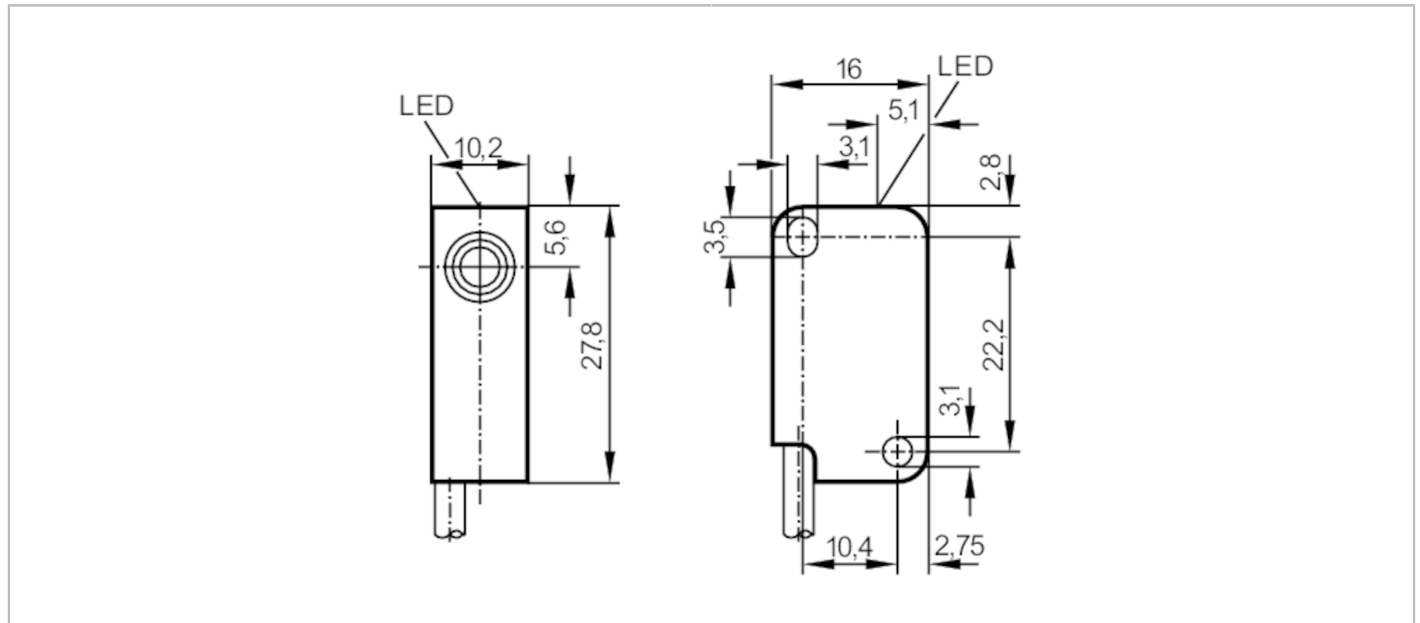


IS5086



Inductive sensor

IS-3003BBPKG/0,15M AS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	3
Housing		rectangular
Dimensions	[mm]	27.8 x 10.2 x 16
Electrical data		
Operating voltage	[V]	10...30 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 15
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Short-circuit protection		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	3
Real sensing range S_r	[mm]	$3 \pm 10 \%$
Operating distance	[mm]	0...2.4
Accuracy / deviations		
Hysteresis	[% of S_r]	1...15

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Switch point drift	[% of Sr]	-10...10
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Operating conditions

Ambient temperature	[°C]	0...60
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Protection	IP 65; IP 67; (with ifm socket duly screwed on)	
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Tests / approvals

EMC	EN 60947-5-2	
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MTTF	[years]	2965
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UL approval	Ta	0...60 °C
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Enclosure type	Type 1
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power supply	Class 2
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File number UL	E174191
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Mechanical data

Weight	[g]	14.3
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Housing	rectangular	
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Mounting	flush mountable	
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Dimensions	[mm]	27.8 x 10.2 x 16
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Materials	PBT; PC	
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Tightening torque	[Nm]	< 0.5; (with washer)
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Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Pack quantity	1 pcs.	
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Electrical connection - plug

Cable: 0.15 m, PUR

Connector: 1 x M8; coding: A



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Connection

