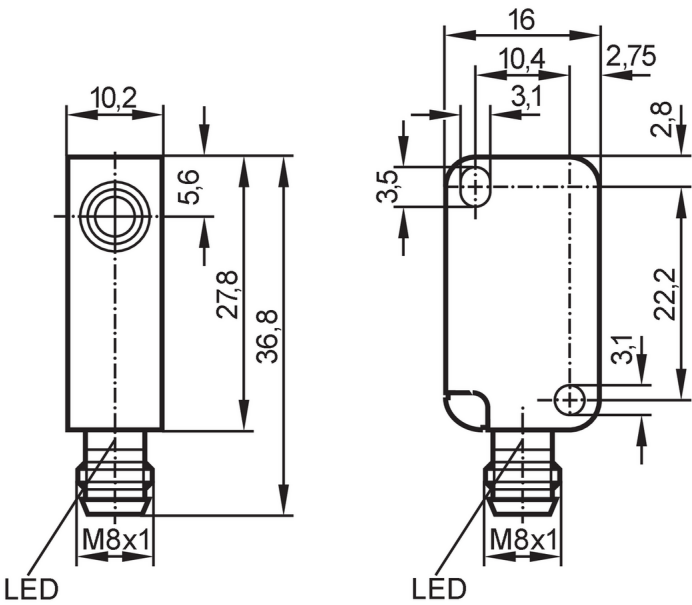


IS5035

Inductive sensor

IS-3002-BPKG/AS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		rectangular
Dimensions	[mm]	36.8 x 10.2 x 16
Application		
Application	Industrial applications / factory automation; For use where space is restricted	
Electrical data		
Operating voltage	[V]	10...30 DC
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
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %

IS5035



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Operating distance	[mm]	0...1.6
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Accuracy / deviations

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

Ambient temperature	[°C]	-25...80
Protection		IP 65; (with ifm socket duly screwed on: IP 67)

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	3060
UL approval	Ta	-25...80 °C
	Enclosure type	Type 1
	voltage supply	Class 2
	File number UL	E174191

Mechanical data

Weight	[g]	10.9
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	36.8 x 10.2 x 16
Materials		housing: PBT
Tightening torque	[Nm]	< 0.5; (with washer)

Displays / operating elements

Display	switching status	4 x 90° LED, yellow
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M8; coding: A; Contacts: 3



IS5035



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Connection

