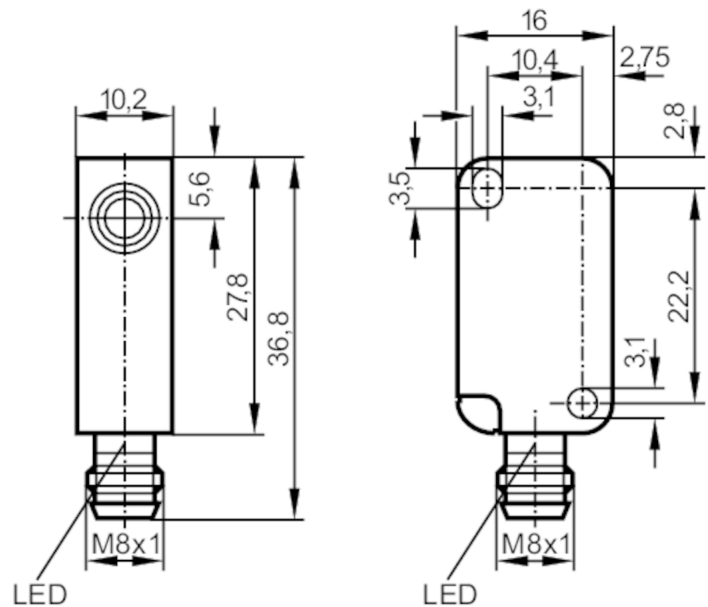


IS5035



Inductive sensor

IS-3002-BPKG/AS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		rectangular
Dimensions	[mm]	28 x 10 x 16
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 %
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
		power supply		Class 2
		File number UL		E174191
Mechanical data				
Weight		[g]	10.9	
Housing		rectangular		
Mounting		flush mountable		
Dimensions		[mm]	28 x 10 x 16	
Materials		PBT		
Tightening torque		[Nm]	< 0.5; (with washer)	
Displays / operating elements				
Display		switching status	4 x 90° LED, yellow	
Remarks				
Pack quantity		1 pcs.		
Electrical connection - plug				
Connector: 1 x M8; coding: A				
				

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Connection

