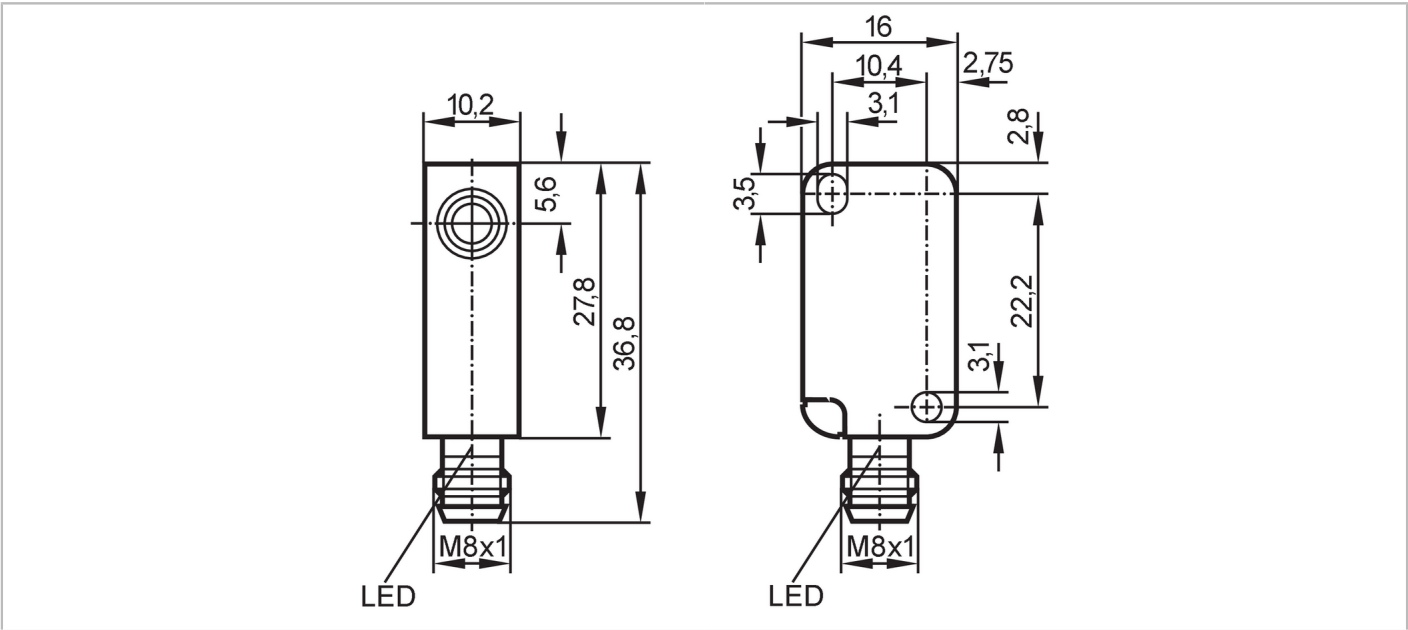


IS5051



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
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
Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6

IS5051



Inductive sensor

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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature		[°C] -20...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
Mechanical data		
Weight		[g] 10.7
Housing		rectangular
Mounting		flush mountable
Dimensions		[mm] 36.8 x 10.2 x 16
Material		housing: 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; Contacts: 3		
		
Connection		
