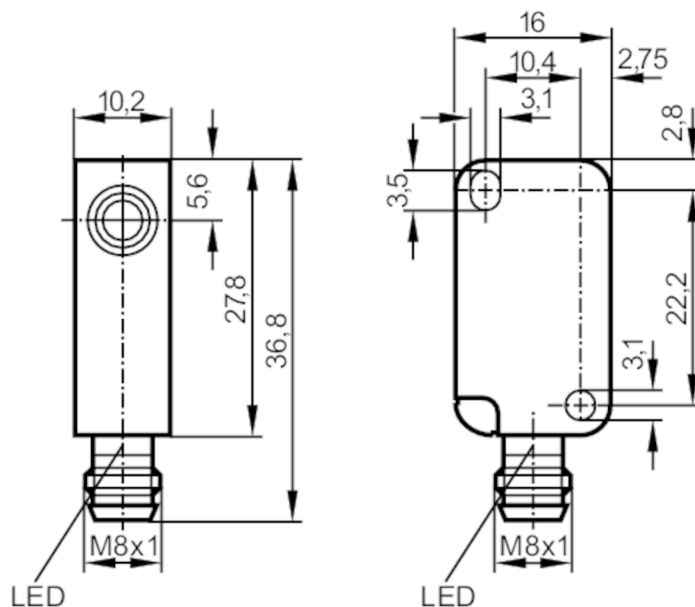


IS5051

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 S_r [mm]	$2 \pm 10 \%$
Operating distance [mm]	0...1.6

IS5051



Inductive sensor

IS-3002-BPKG/AS

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 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]	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



Connection

