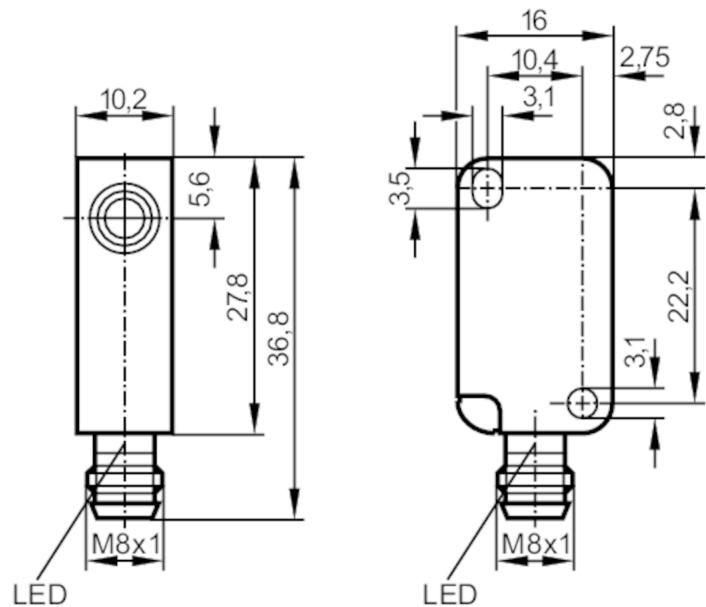


IS5051



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

IS-3002-BPKG/AS

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		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

