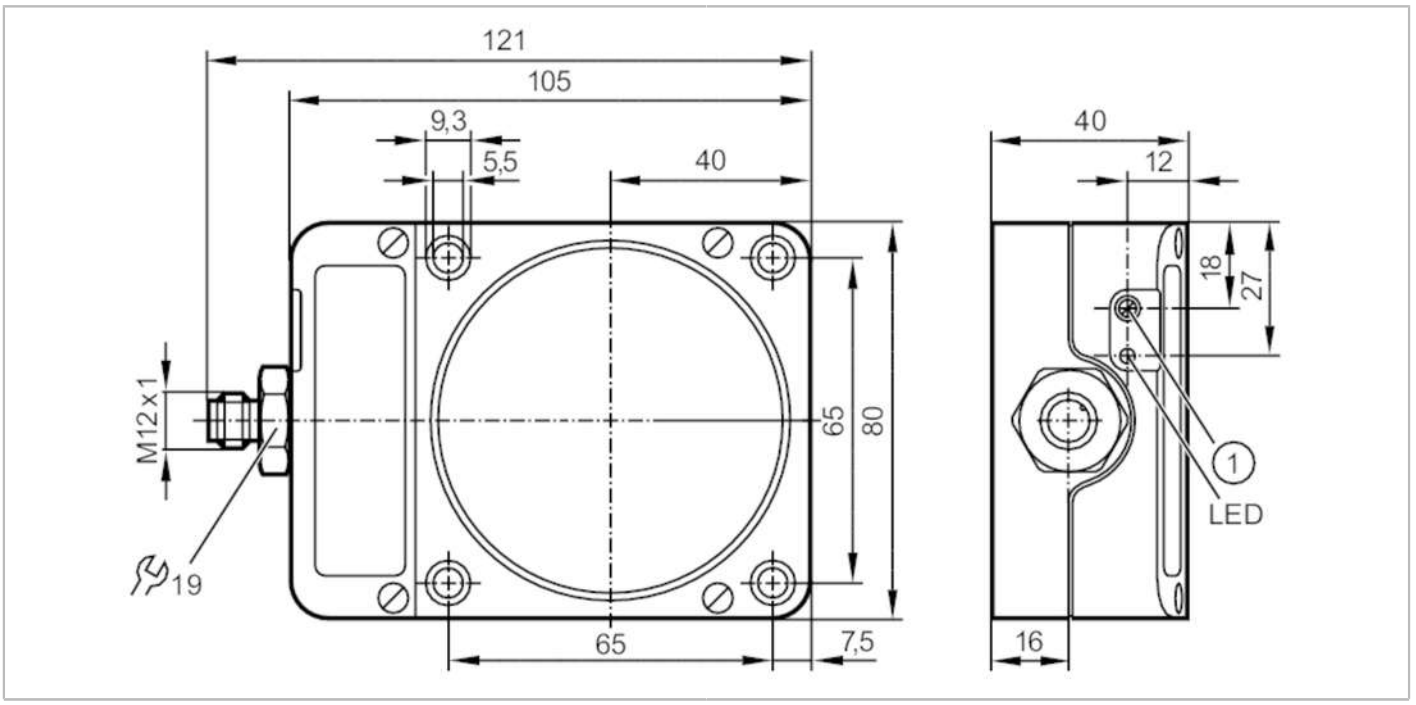
ID5073

Inductive sensor

IDE3060-BPKG/PP/US



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	20...60
Housing		rectangular
Dimensions	[mm]	105 x 80 x 40
Electrical data		
Operating voltage	[V]	10...36 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]	250
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	20...60
Sensing range adjustable		yes
Factory setting sensing range	[mm]	60

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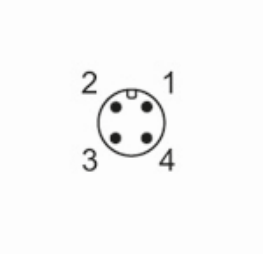
Inductive sensor

IDE3060-BPKG/PP/US

Real sensing range Sr	[mm]	60 ± 10 %	
Operating distance	[mm]	0...48.6	
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 67	
Tests / approvals			
EMC		EN 61000-4-2 ESD	- CD / 8 kV AD
		EN 61000-4-3 HF radiated	3 V/m
		EN 61000-4-4 Burst	2 kV
		EN 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
		EN 61000-4-6 HF conducted	3 V
		EN 55011	class B
Mechanical data			
Weight	[g]	488.5	
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions	[mm]	105 x 80 x 40	
Materials		upper part: PP; lower part: PPE	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		screwdriver: 1	
Remarks			
Pack quantity		1 pcs.	

Electrical connection - plug

Connector: 1 x M12; coding: A



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Connection

