ID0003

Inductive sensor

IDE2060-FBOW

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Alternative articles: ID0013

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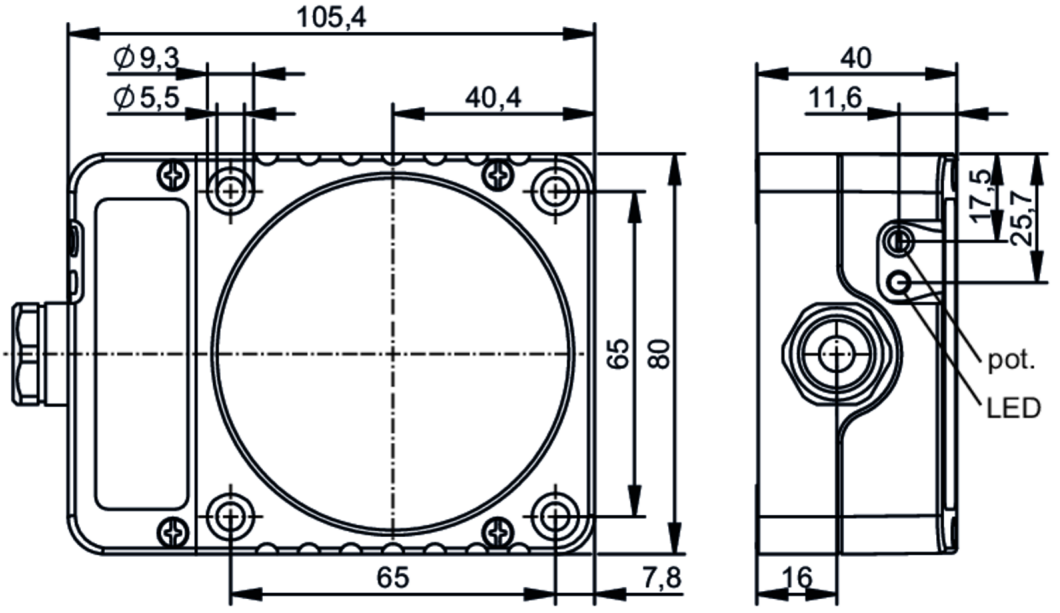

Product characteristics		
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	60
Housing		rectangular
Dimensions	[mm]	105 x 80 x 40
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output AC	[V]	5.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5
Permanent current rating of switching output AC	[mA]	300; (500 (...50 °C))
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	4
Short-circuit protection		no
Overload protection		no

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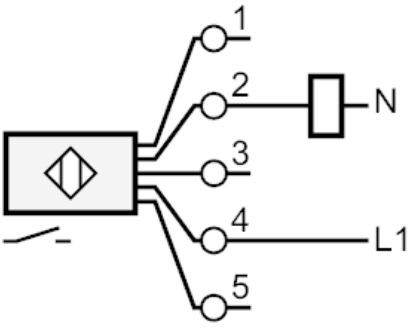
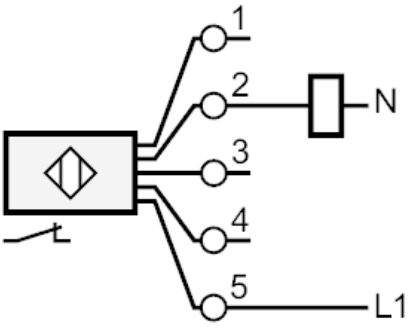
Detection zone			
Sensing range	[mm]	60	
Sensing range adjustable		yes	
Factory setting sensing range	[mm]	60	
Real sensing range Sr	[mm]	60 ± 10 %	
Operating distance	[mm]	0...48.6	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 65	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions	[mm]	105 x 80 x 40	
Materials		PPE modified	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		screwdriver: 1	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

terminals: ...2.5 mm²

Connection