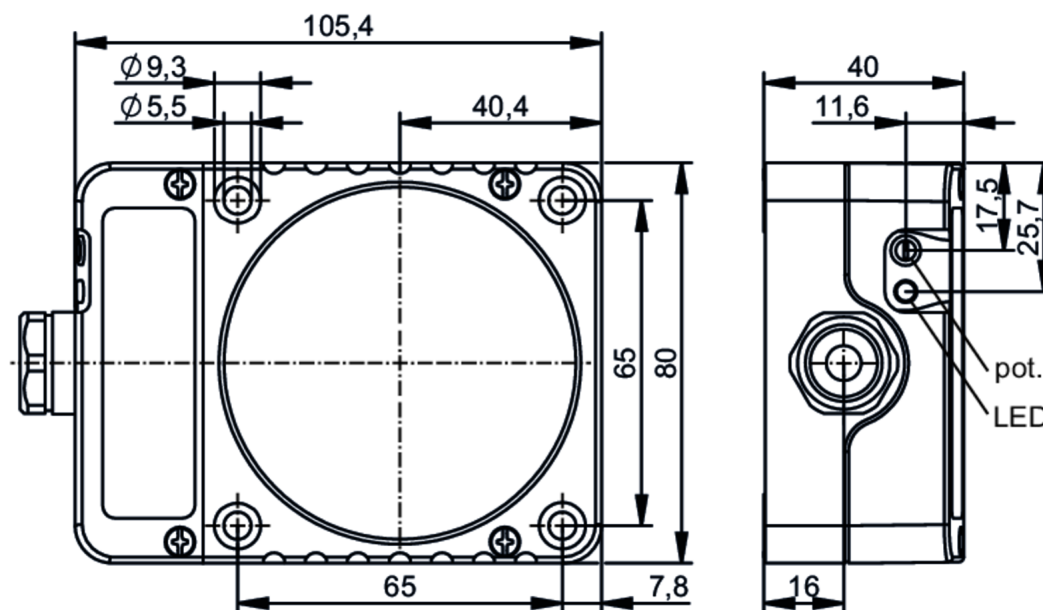


Inductive sensor

IDE2050-ARKA

Article no longer available - archive entry



Product characteristics

Output function		normally open
Sensing range	[mm]	50
Housing		rectangular
Dimensions	[mm]	105 x 80 x 40

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...132 AC / 10...130 DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	5
Max. voltage drop switching output AC	[V]	5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1.6
Permanent current rating of switching output AC	[mA]	350
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	4
Switching frequency DC	[Hz]	4
Short-circuit protection		no



Inductive sensor

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Overload protection	no
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Detection zone

Sensing range [mm]	50
Sensing range adjustable	yes
Factory setting sensing range [mm]	50
Real sensing range S_r [mm]	$50 \pm 10 \%$
Operating distance [mm]	0...40.5

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis [% of S_r]	1...15	
Switch point drift [% of S_r]	-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

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	screwdriver: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection

terminals: ...2.5 mm²

Connection

