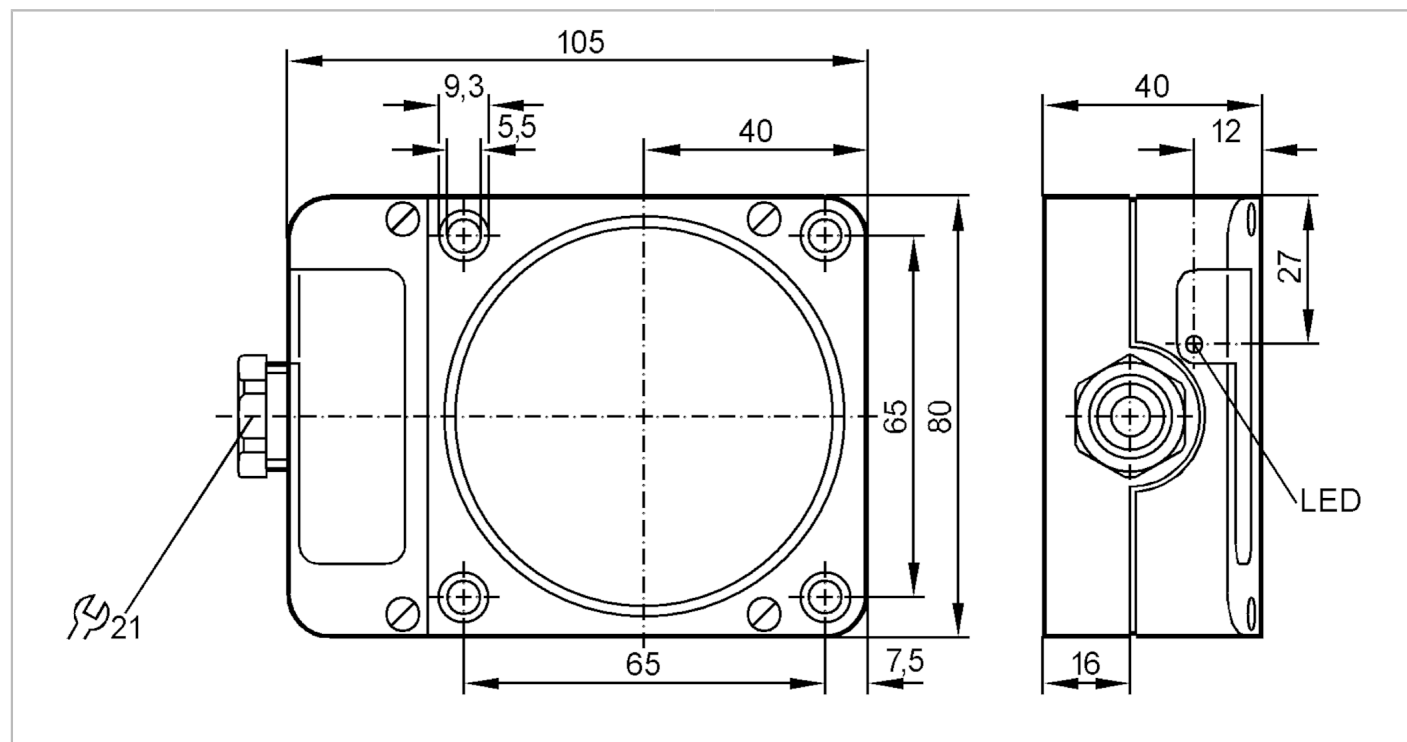


Inductive sensor

IDE2040-ARKG/NON/REGLABLE

Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	40; (fixed: 40)
Housing	rectangular
Dimensions [mm]	105 x 80 x 40

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.5
Minimum load current [mA]	4
Max. leakage current [mA]	0.65 (55 V DC)
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	4
Short-circuit protection	yes
Type of short-circuit protection	pulsed



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Overload protection	yes
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Detection zone

Sensing range	[mm]	40; (fixed: 40)
Real sensing range S_r	[mm]	$40 \pm 10 \%$
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 modified

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; Cable sheath: Ø 7...13 mm

Connection

