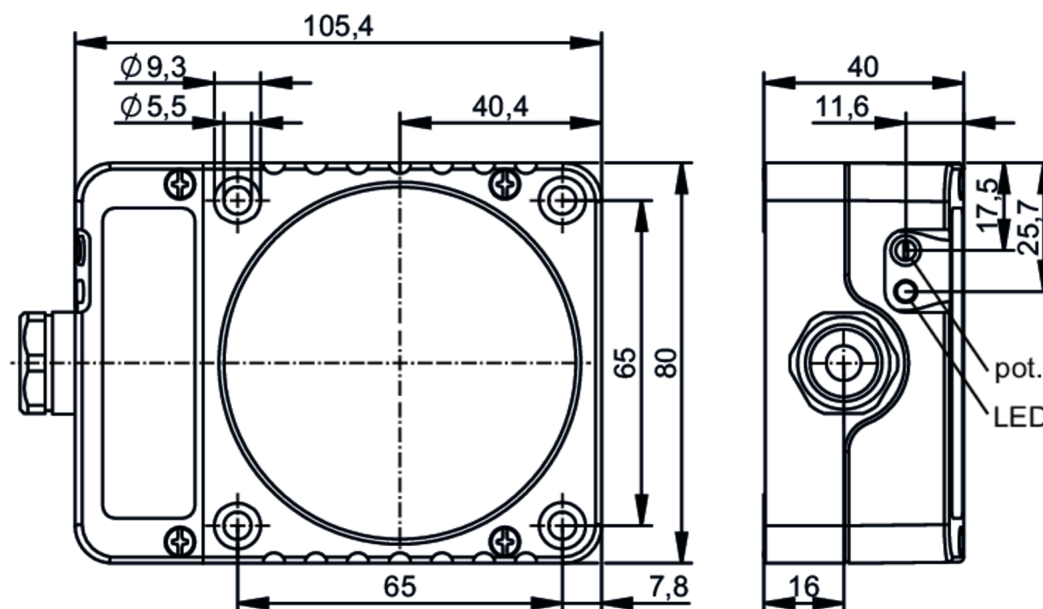


ID5023

Inductive sensor

IDE3060-FNKG



Product characteristics

Electrical design	NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	60
Housing	rectangular
Dimensions [mm]	105 x 80 x 40

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	4
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	60
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Inductive sensor

IDE3060-FNKG

Sensing range adjustable	yes
Factory setting sensing range [mm]	60
Real sensing range Sr [mm]	$60 \pm 10 \%$
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
MTTF [years]	963	

Mechanical data

Weight [g]	435
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; Cable gland: M20 X 1.5

Connection

