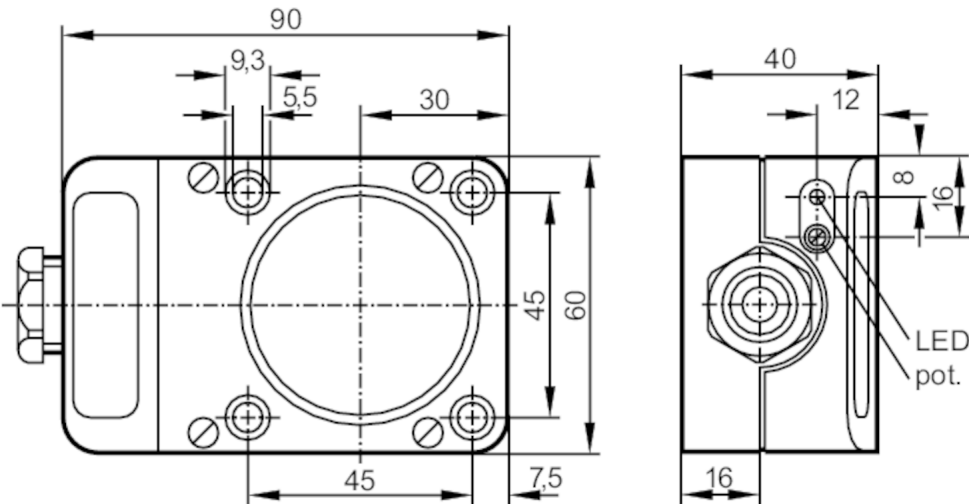


IC5006



Inductive sensor

ICE3040-FNKG



Product characteristics

Electrical design	NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	40
Housing	rectangular
Dimensions [mm]	90 x 60 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]	15
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	40
Sensing range adjustable	yes
Factory setting sensing range [mm]	40
Real sensing range Sr [mm]	40 ± 10 %
Operating distance [mm]	0...32.4



Inductive sensor

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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
MTTF	[years]	978

Mechanical data

Weight	[g]	271
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	90 x 60 x 40
Materials		PPE modified

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied		screwdriver: 1
		spring washers: 4
		cylinder screws: 4 x M5 x 35

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

