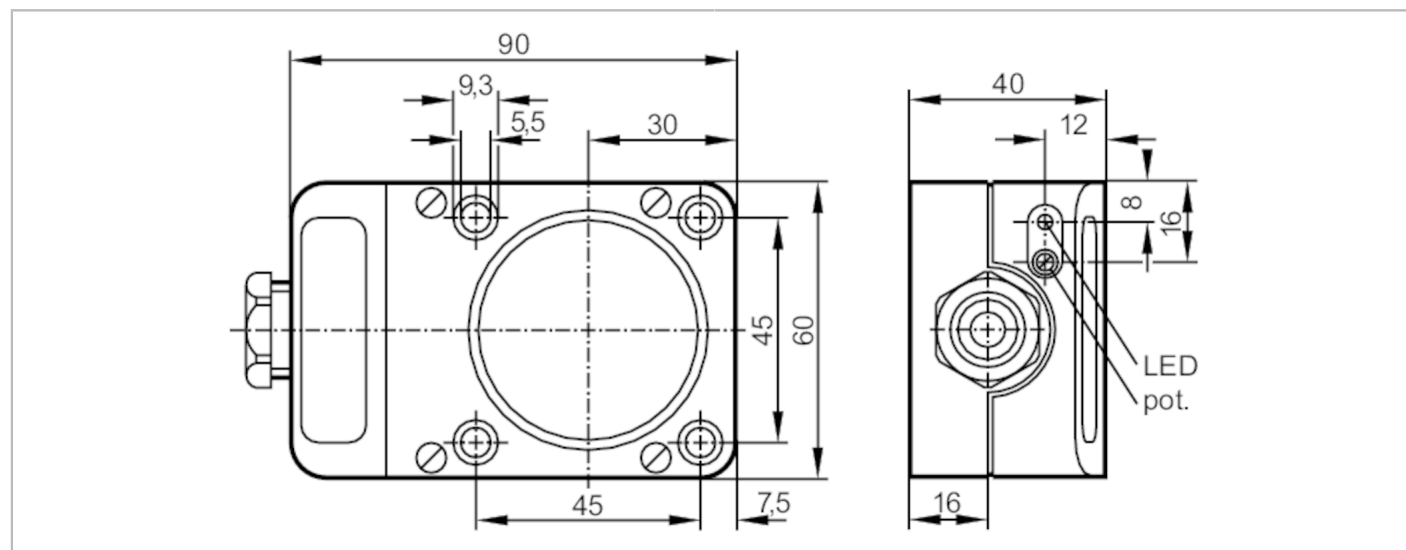




Inductive sensor

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 S_r [mm]	$40 \pm 10 \%$
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
Accessories		
Accessories (supplied)	screwdriver: 1	
	spring washers: 4	
	cylinder screws: 4 x M5 x 35	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5		
Connection		

