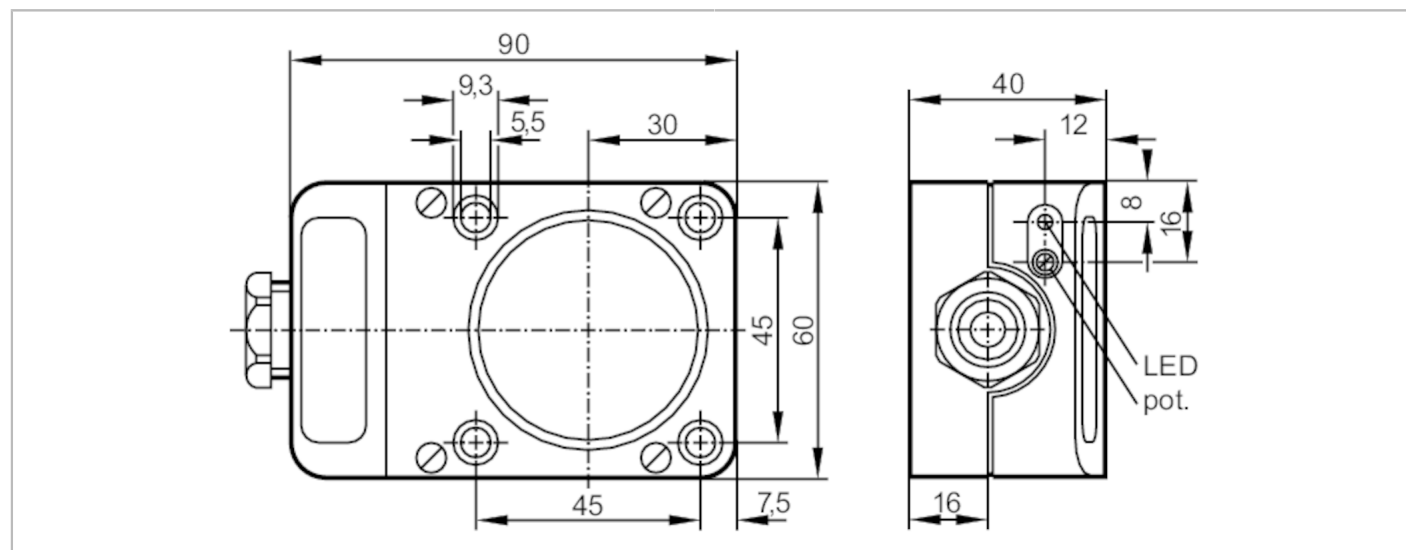


IC5005



Inductive sensor

ICE3040-FPKG



Product characteristics

Electrical design	PNP
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	PNP
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

ICE3040-FPKG

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]	1261
UL approval		Ta	0...40 °C
		Enclosure type	Type 1
		power supply	Hazardous voltage
		File number UL	E174191
Mechanical data			
Weight		[g]	268
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions		[mm]	90 x 60 x 40
Materials		PPE	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items 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			

