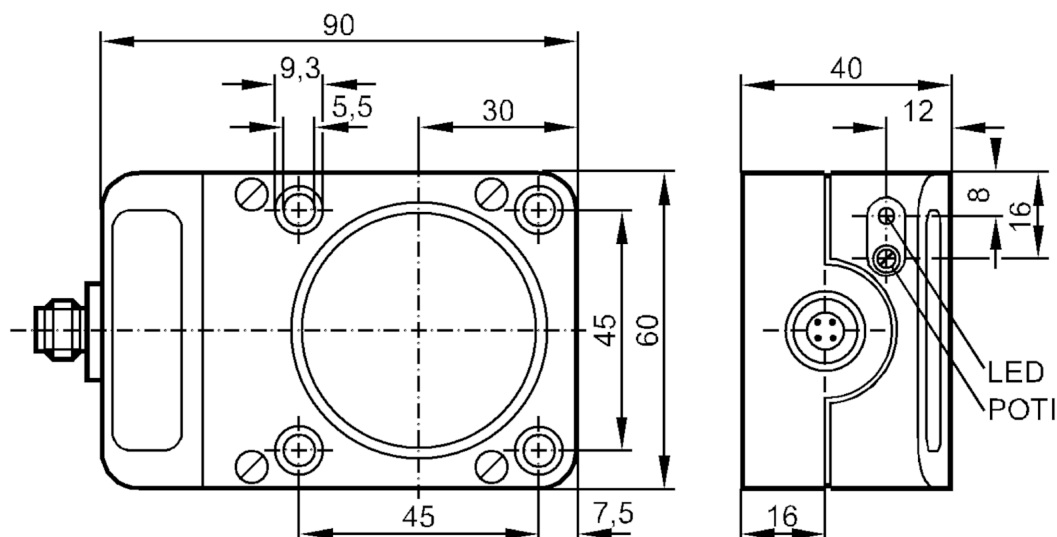


IC5007



Inductive sensor

ICE3040-BPKG/US-100-DPS



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	40
Housing	rectangular
Dimensions [mm]	90 x 60 x 40

Application

Application	Industrial applications
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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
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	6
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

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Inductive sensor

ICE3040-BPKG/US-100-DPS

Monitoring range		
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
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...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]	1261
Mechanical data		
Weight	[g]	279.5
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	90 x 60 x 40
Material		PPE modified
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 mm)
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M12; coding: A; Contacts: 4		

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Inductive sensor

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Connection

