

IC500A



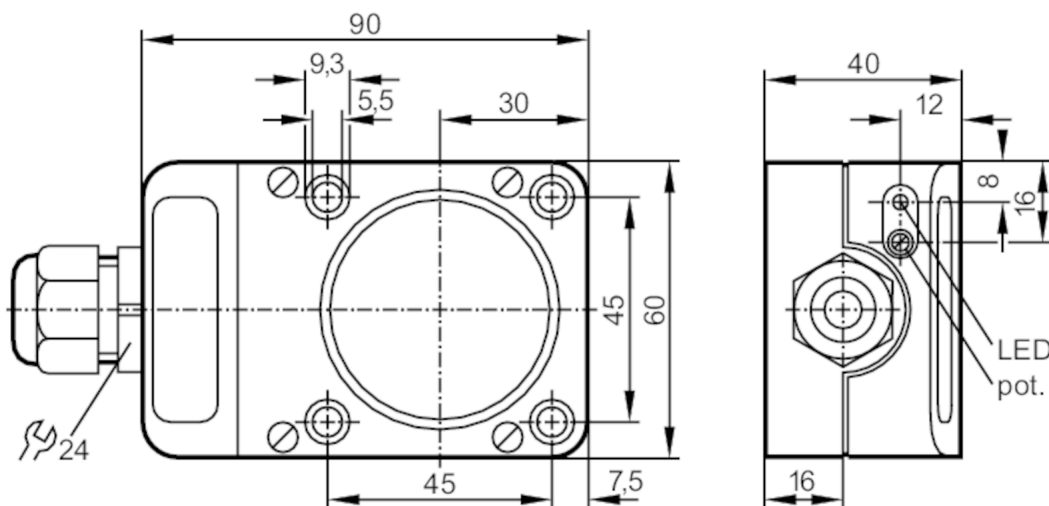
Inductive sensor

ICE3040-FPKG/3D

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Alternative articles: IM507A

When selecting an alternative article and accessories please note that technical data may differ!



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...30 DC; (when used outside the hazardous area: 10...36)
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
Short-time current rating of switching output [mA]	250
Switching frequency DC [Hz]	10
Short-circuit protection	yes

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Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
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: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10
Operating conditions		
Ambient temperature	[°C]	-20...60
Note on ambient temperature		when used outside the hazardous area: -25...80 °C
Protection		IP 54; (when used outside the hazardous area: IP 65)
Tests / approvals		
ATEX marking	 II 3D Ex tD A22 IP54 T80°C X	
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	0.293
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	90 x 60 x 40
Materials		PPE
Tightening torque for cable gland	[Nm]	3.5
Displays / operating elements		
Display	switching status	1 x LED, yellow
Аксессуары		
Items supplied	screwdriver: 1	
Remarks		
Pack quantity	1 pcs.	

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Electrical connection

terminals: ...2.5 mm²; Cable sheath: Ø 5.5...13 mm; Cable gland: M20 X 1.5

Connection

