

ID500A



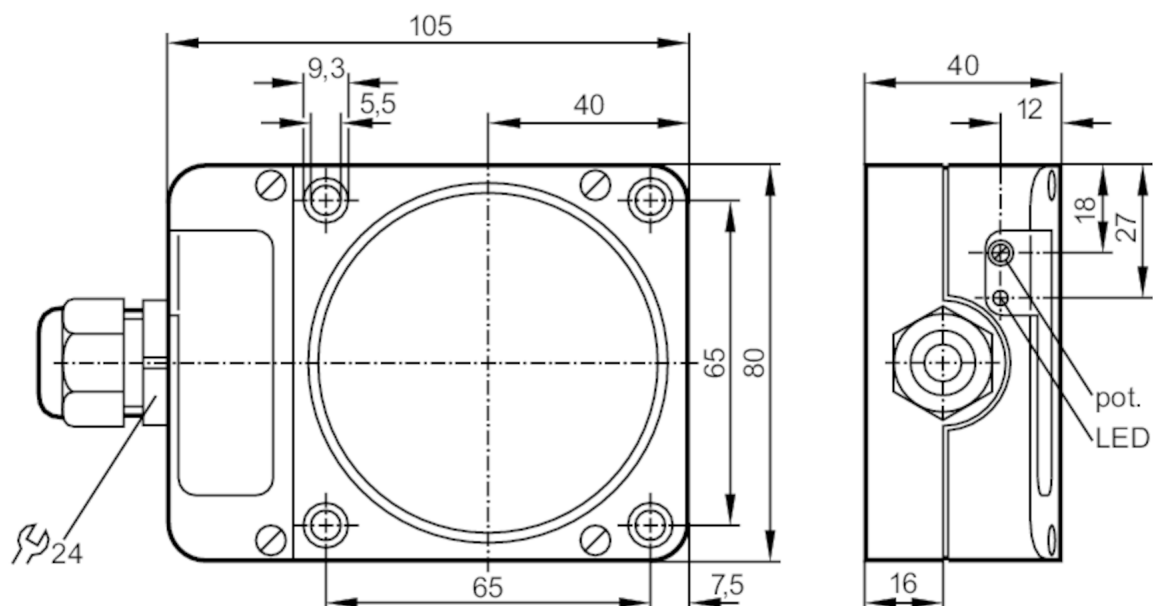
Inductive sensor

IDE3060-FPKG/3D

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Alternative articles: ID502A

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



Product characteristics

Electrical design	PNP
Output function	normally open / closed; (selectable)
Sensing range [mm]	60
Housing	rectangular
Dimensions [mm]	105 x 80 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 / 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]	100

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Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Sensing range	[mm]	60
Real sensing range Sr	[mm]	60 ± 10 %
Operating distance	[mm]	0...48.6
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-20...60
Note on ambient temperature	when used outside the hazardous area: -25...80 °C	
Protection	IP 65	
Tests / approvals		
ATEX marking	 II 3D Ex tD A22 IP65 T90°C X	
EMC	EN 60947-5-2	
Mechanical data		
Weight	[g]	0.456
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	105 x 80 x 40
Material	PPE	
Tightening torque for cable gland	[Nm]	3.5
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
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

