

ID000A



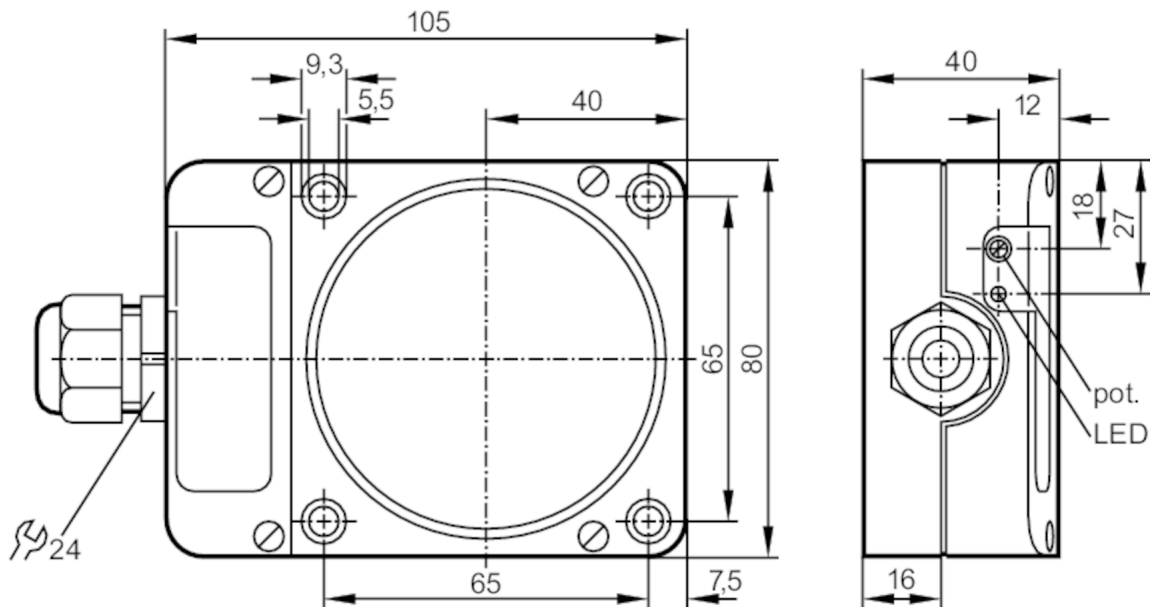
Inductive sensor

IDE2060-FBOA/3D

Article no longer available - archive entry

Alternative articles: ID002A

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



Product characteristics

Output function		normally open / closed; (selectable)
Sensing range	[mm]	60
Housing		rectangular
Dimensions	[mm]	105 x 80 x 40

Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	200; (350 (...50 °C); when used outside the hazardous area: 250 (...80 °C))
Permanent current rating of switching output DC	[mA]	100; (350 (...50 °C); when used outside the hazardous area: 250 (...80 °C))



Inductive sensor

IDE2060-FBOA/3D

Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	4
Switching frequency DC	[Hz]	4
Short-circuit proof		no
Overload protection		no

Monitoring range		
Sensing range	[mm]	60
Sensing range adjustable		yes
Factory setting 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]	0.465
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

Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting; Place the fuse outside the hazardous area.

Accessories		
Items supplied		screwdriver: 1

Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.

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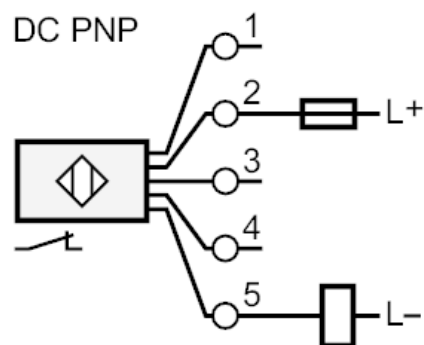
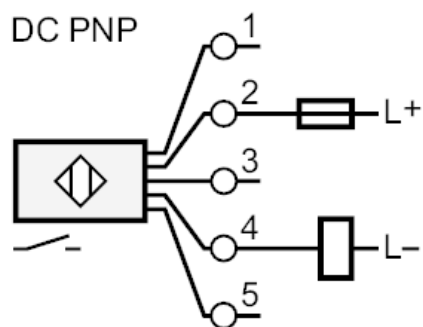
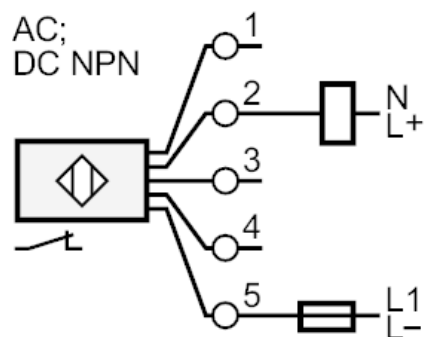
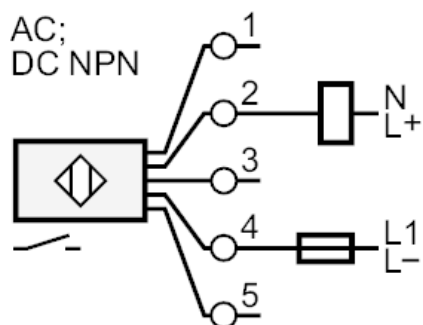
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Electrical connection

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

Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting
Place the fuse outside the hazardous area.