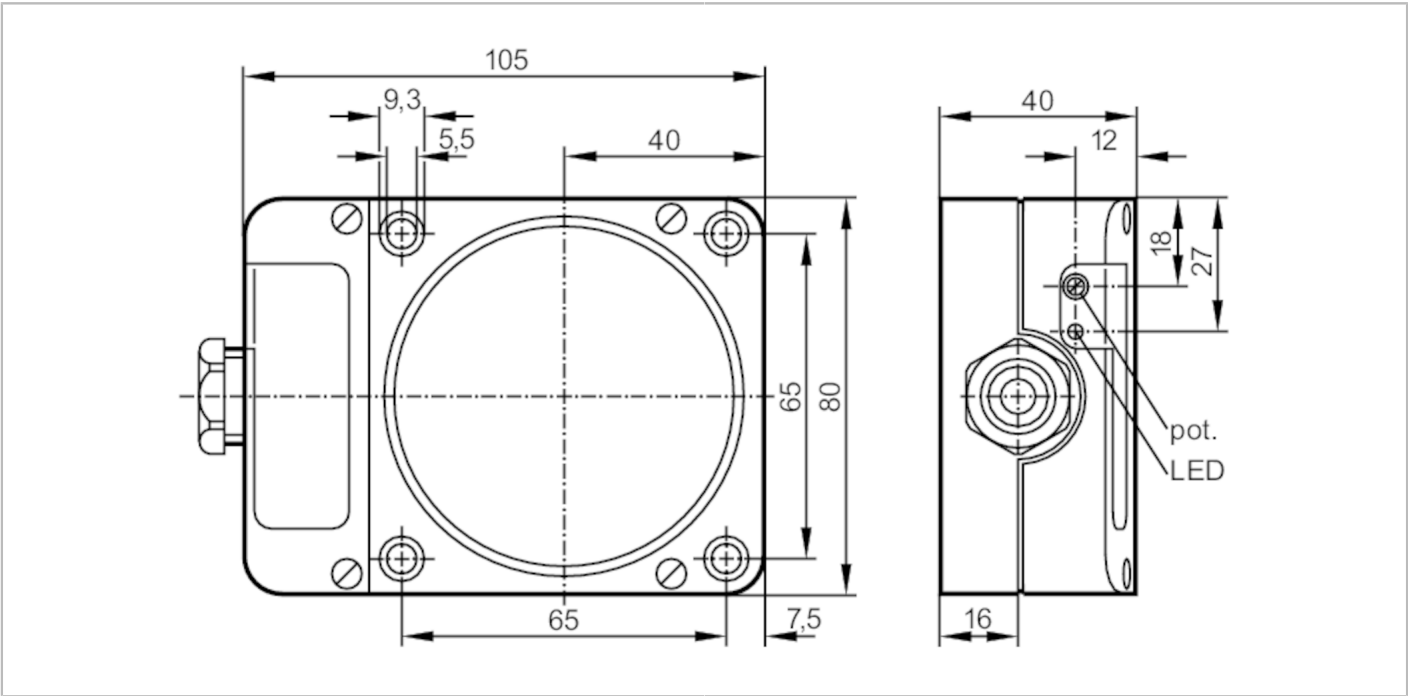


ID0013



Inductive sensor

IDE2060-FBOA



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



Inductive sensor

IDE2060-FBOA

Outputs		
Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC [V]		6.5
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) / 1 (24 V DC)
Permanent current rating of switching output AC [mA]		250; (350 (...50 °C))
Permanent current rating of switching output DC [mA]		100
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]		-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	460	
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Hazardous voltage
	File number UL	E174191
Mechanical data		
Weight [g]	444	
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions [mm]	105 x 80 x 40	
Material	PPE modified	

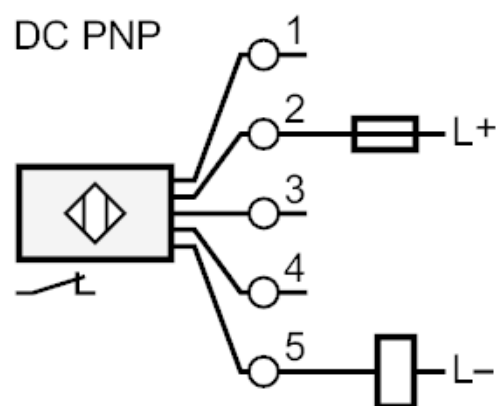
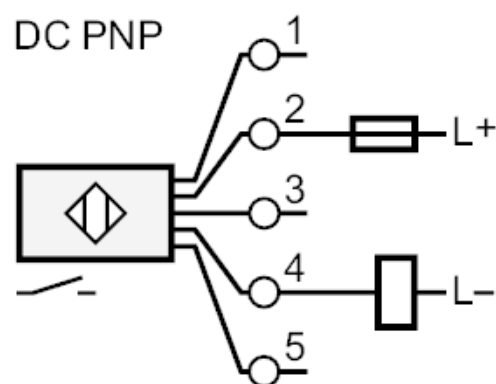
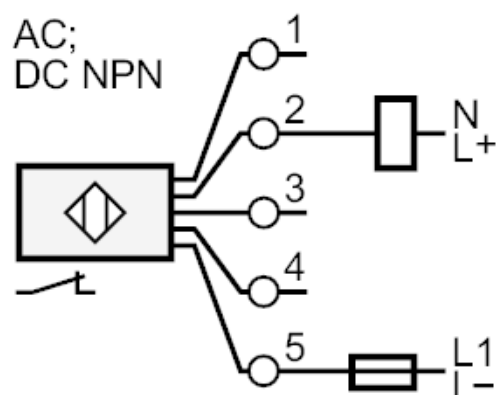
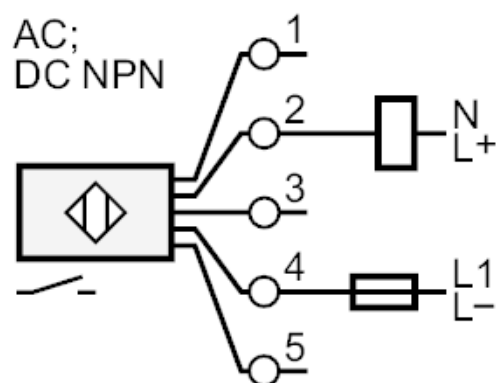


Inductive sensor

IDE2060-FBOA

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

Electrical connection	
terminals: ...2.5 mm ² ; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5	
Connection	



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting