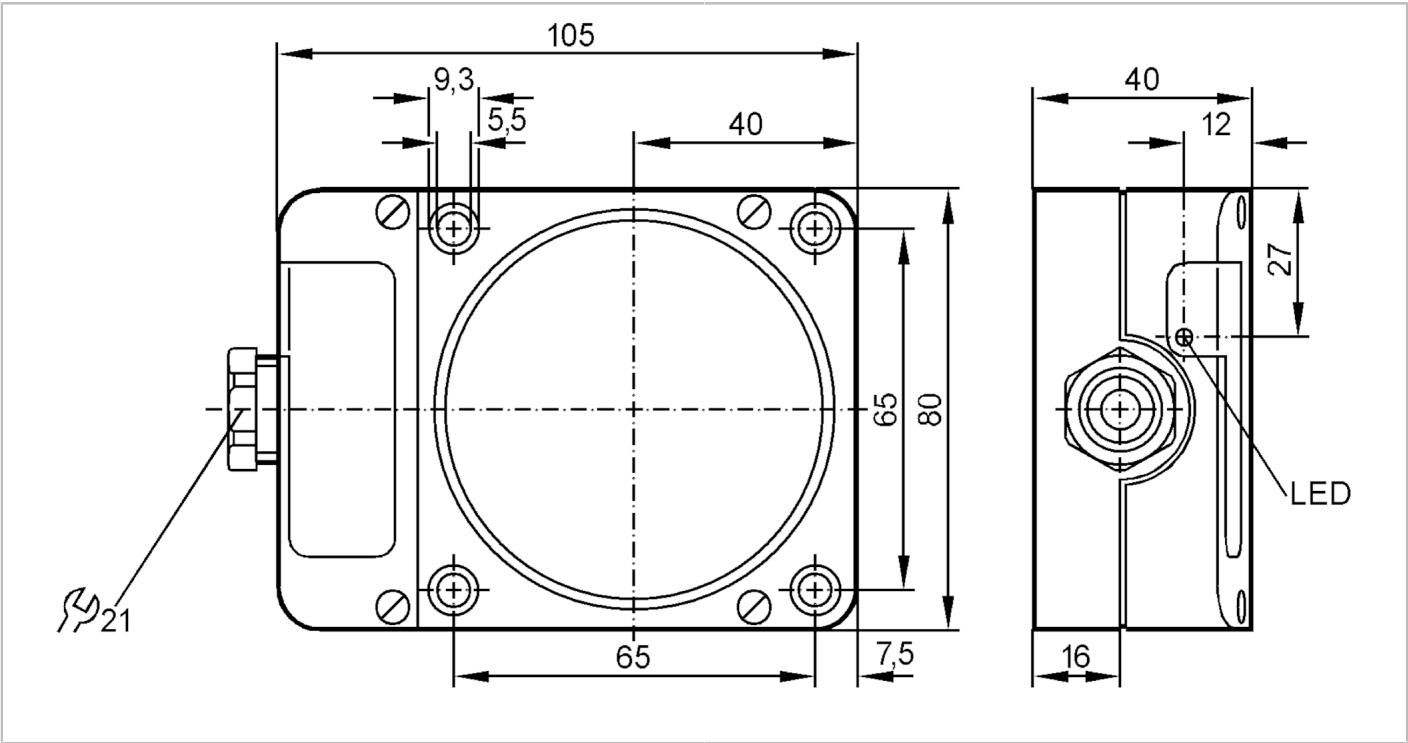




Inductive sensor

IDE2060RFB0A/POTI VERS RT



Product characteristics

Electrical design	series connection possible
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	60; (fixed: 60)
Housing	rectangular

Electrical data

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

Outputs

Electrical design	series connection possible
Output function	normally open / normally 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]	3 (250V AC) / 1.0 (24V 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

**Inductive sensor**

IDE2060RFB0A/POTI VERS RT

Switching frequency DC	[Hz]	4
Short-circuit proof		no
Overload protection		no
Detection zone		
Sensing range	[mm]	60; (fixed: 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 / aluminium: 0.4 / copper: 0.3
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]	459
Mechanical data		
Weight	[g]	434.5
Housing		rectangular
Mounting		non-flush mountable
Materials		PPE
Displays / operating elements		
Display	switching status	1 x LED, red
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 safe functioning of the unit after a short circuit.
Pack quantity		1 pcs.

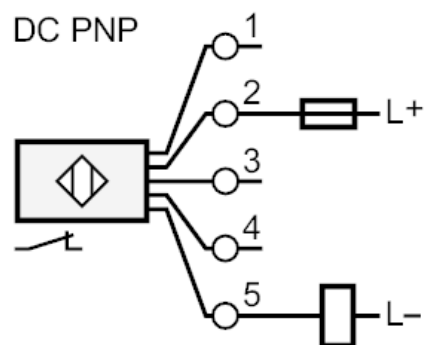
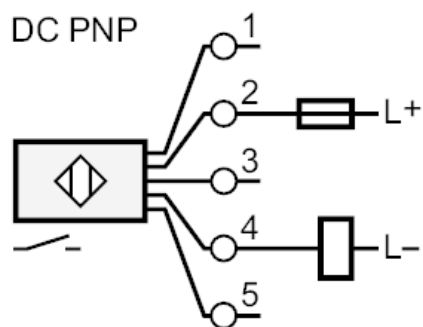
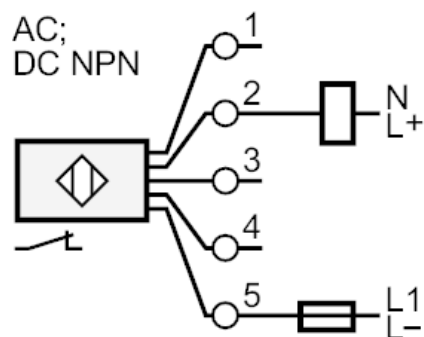
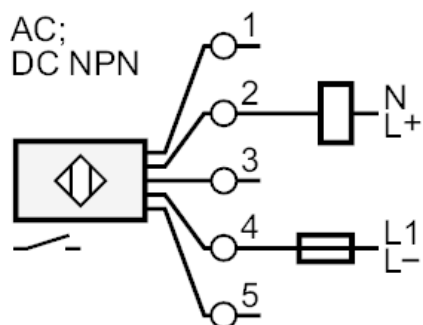
Inductive sensor

IDE2060RFB0A/POTI VERS RT

Electrical connection

terminals: ...2.5 mm²

Connection

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