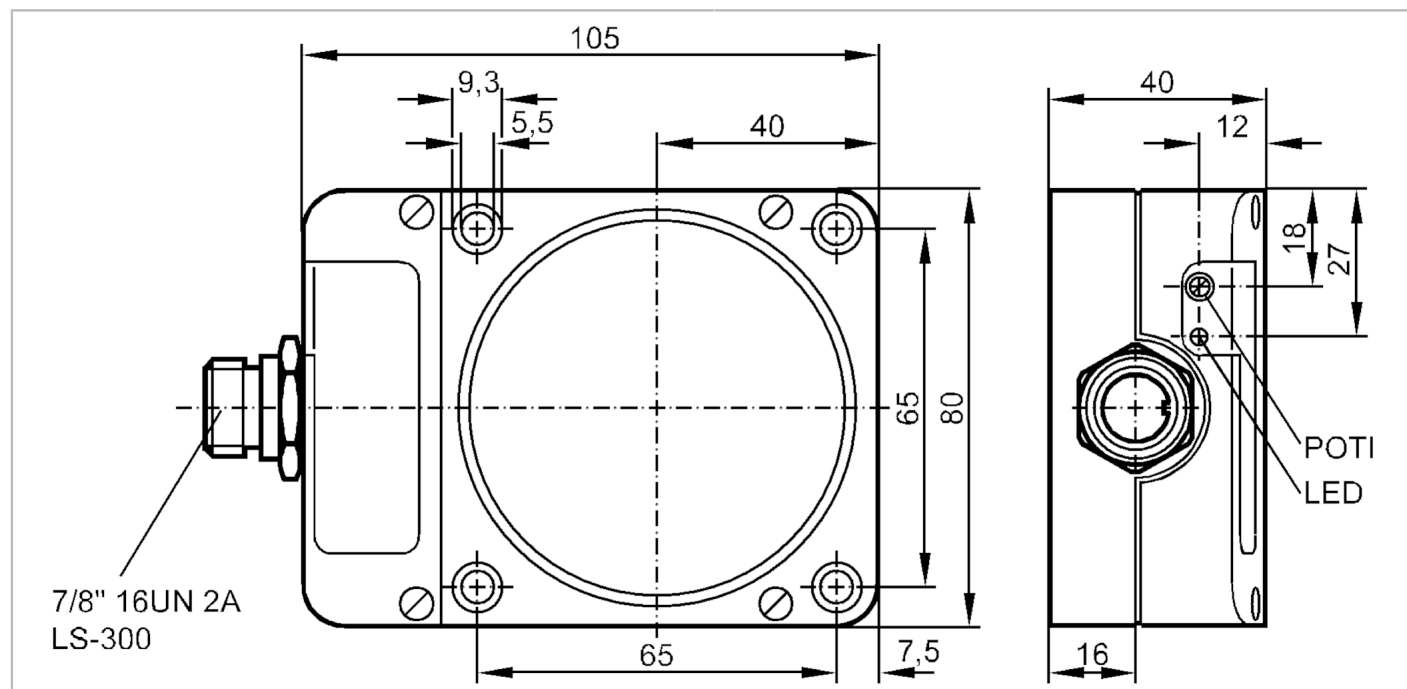


Inductive sensor

IDE2050-ARKA/LS-300-L

Article no longer available - archive entry



Product characteristics

Output function		normally open
Sensing range	[mm]	50
Housing		rectangular
Dimensions	[mm]	105 x 80 x 40

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...132 AC / 10...130 DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	5
Max. voltage drop switching output AC	[V]	5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1.6
Permanent current rating of switching output AC	[mA]	350
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 protection		no

**Inductive sensor**

IDE2050-ARKA/LS-300-L

Overload protection	no	
Detection zone		
Sensing range	[mm]	50
Sensing range adjustable		yes
Factory setting sensing range	[mm]	50
Real sensing range Sr	[mm]	50 ± 10 %
Operating distance	[mm]	0...40.5
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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
Mechanical data		
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	105 x 80 x 40
Materials	PPE	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	screwdriver: 1	
Remarks		
Pack quantity	1 pcs.	

Inductive sensor

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Electrical connection - plug

Connector: 1 x 7/8"; coding: A

