

KD5041

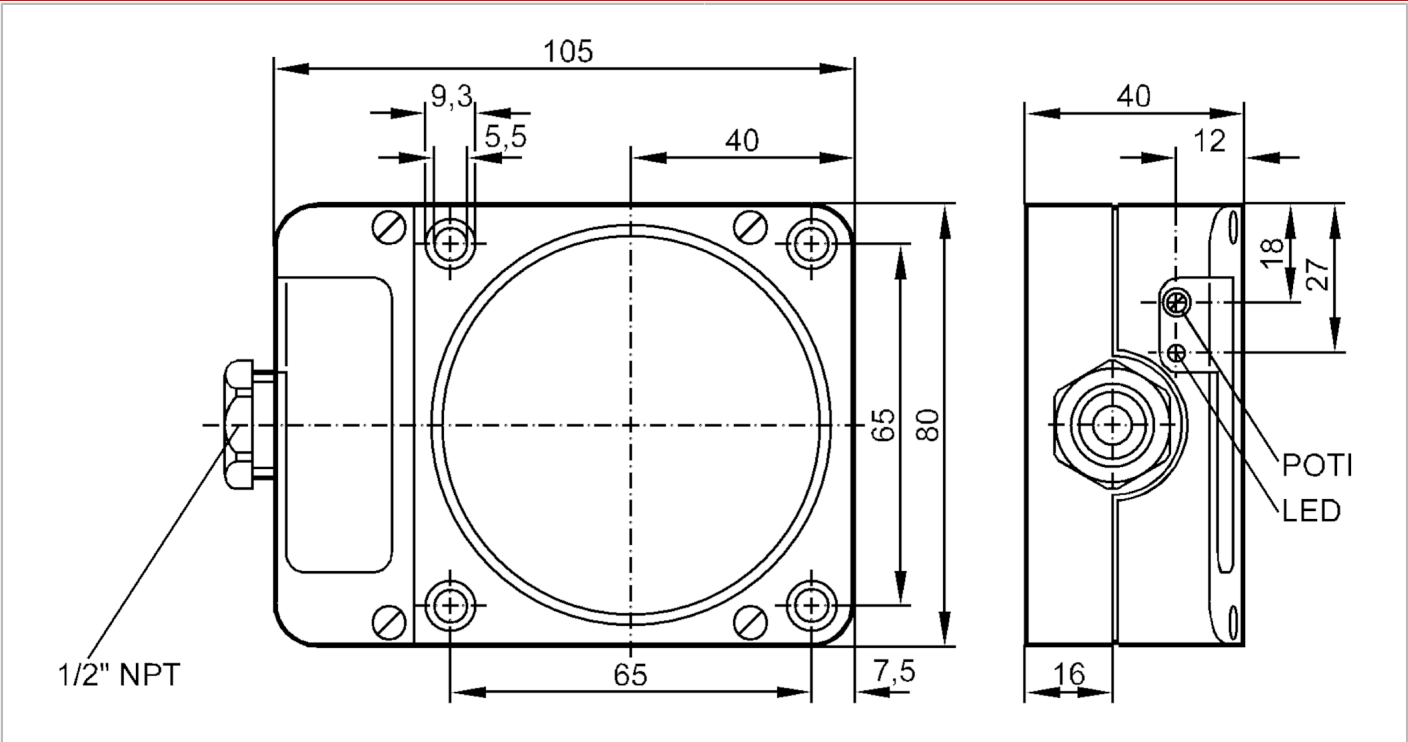


Capacitive sensor

KDE3060-FPKG/NI/NPT

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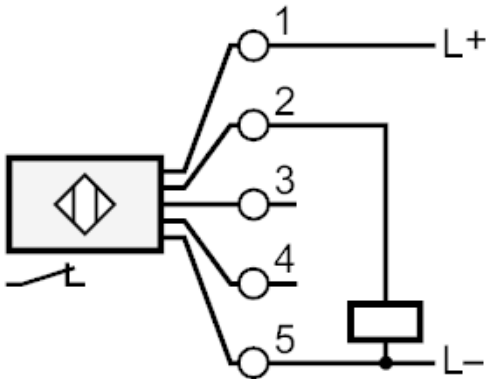
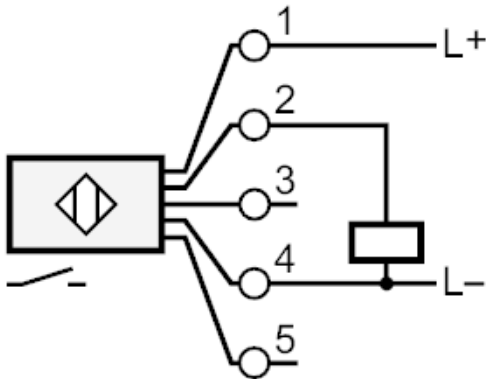
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	10
Short-circuit proof		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	60
Real sensing range Sr	[mm]	60 ± 10 %
Operating distance	[mm]	0...48.6



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Accuracy / deviations			
Correction factor		glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2	
Hysteresis	[% of Sr]	1...15	
Switch point drift	[% of Sr]	-15...15	
Operating conditions			
Ambient temperature		°C	-25...80
Protection		IP 65	
Increased immunity		yes; (increased immunity to conducted radio frequency interference)	
Tests / approvals			
EMC		IEC 60947-5-2	
MTTF		[years]	537
Mechanical data			
Weight		[g]	291
Housing		rectangular	
Mounting		non-flush mountable	
Materials		PPE modified	
Displays / operating elements			
Display		switching status	1 x LED, red
Accessories			
Accessories (supplied)		screwdriver: 1	
Remarks			
Pack quantity		1 pcs.	
Electrical connection			
terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm			
Connection			



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