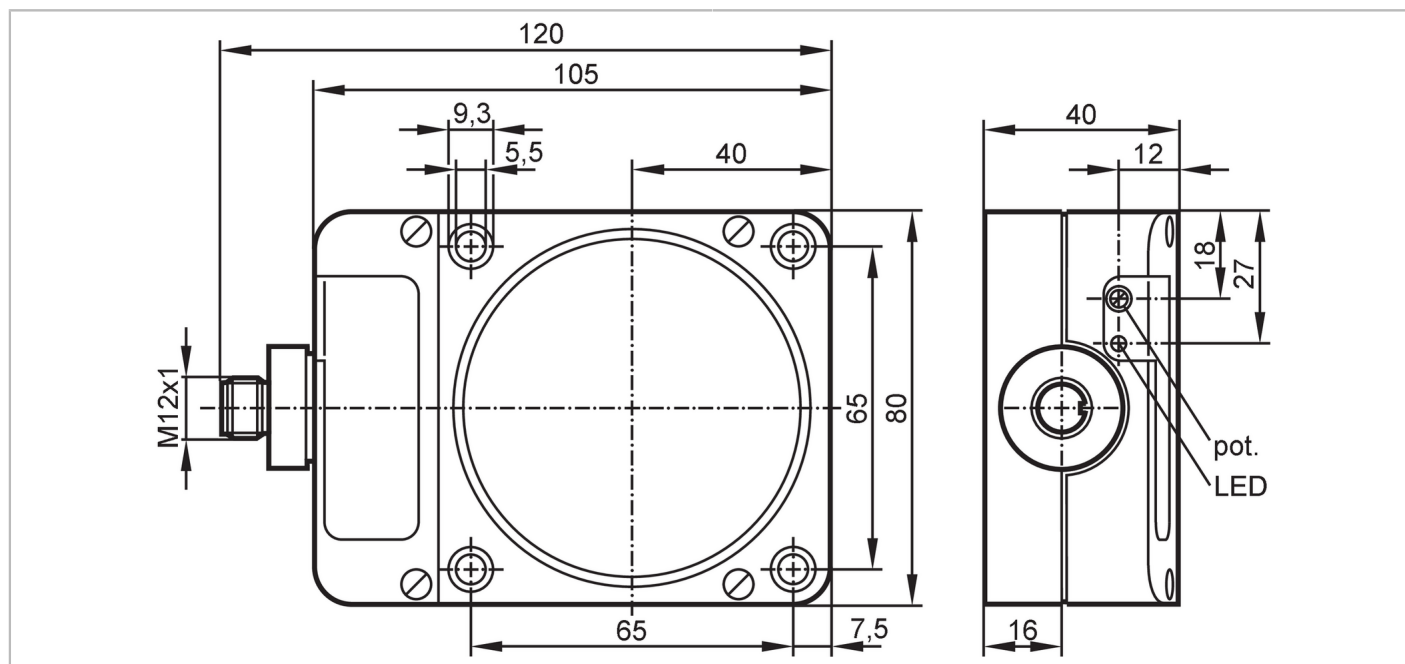


KD5039



Capacitive sensor

KDE3060-FPKG/NI/US-100-KPF



Product characteristics

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

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	5; (24 V)
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 S_r [mm]	$60 \pm 10 \%$
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
Tests / approvals			
EMC		EN 60947-5-2	
MTTF		[years]	537
Mechanical data			
Weight		[g]	309.5
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions		[mm]	105 x 80 x 40
Materials		Housing: PPE modified; Sealing: TPE-E; potentiometer: PA, PBT	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		spring washers: 4	
		cylinder screws: 4	
Remarks			
Pack quantity		1 pcs.	
Electrical connection - plug			
Connector: 1 x M12; coding: A; Contacts: 4			