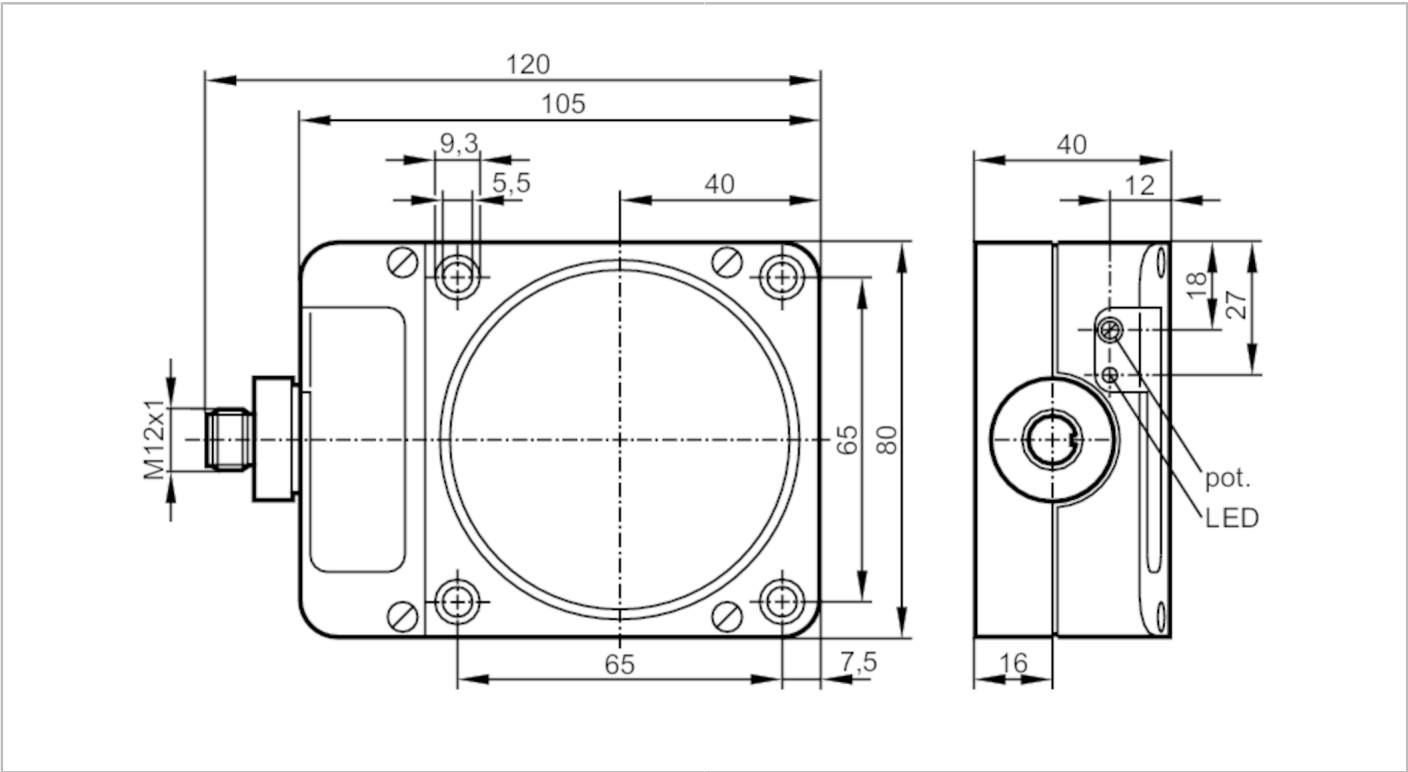


KD5044



Capacitive sensor

KDE3060-BPKG/NI/US-100-DPS



Product characteristics		
Electrical design		PNP
Output function		normally open
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
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
Monitoring range		
Sensing range	[mm]	60

KD5044



Capacitive sensor

KDE3060-BPKG/NI/US-100-DPS

Real sensing range Sr	[mm]	60 ± 10 %
Operating distance	[mm]	0...48.6

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
Material		PPE modified

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



KD5044



Capacitive sensor

KDE3060-BPKG/NI/US-100-DPS

Connection

