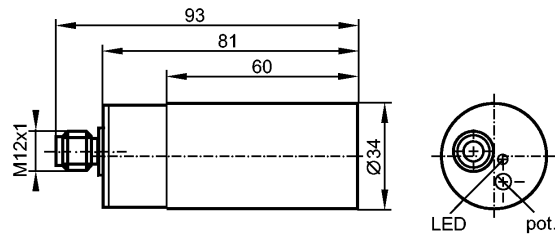


KB5062

KB-3020-BPKG/NI/US-100-DPS

Capacitive sensors


Product characteristics

Capacitive sensor
Plastic housing Ø 34 mm
Quick disconnect
Increased immunity to conducted radio frequency interference
Sensing range 20 mm; adjustable; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	13 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit proof	yes
Overload protection	yes
Switching frequency [Hz]	40

Monitoring range

Sensing range [mm]	20, adjustable
Real sensing range (Sr) [mm]	20 ± 10 %
Operating distance [mm]	0...16.2

Accuracy / deviations

Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.2	
Hysteresis [% of Sr]	1...15	
Switch-point drift [% of Sr]	-15...15	

Environment

Ambient temperature [°C]	-25...70
Protection	IP 65

Tests / approvals

EMC	IEC 60947-5-2:	2007
MTTF [Years]	778	

Mechanical data

Mounting	non-flush mountable
Housing materials	PBT

KB5062

KB-3020-BPKG/NI/US-100-DPS

Capacitive sensors

Weight [kg] 0.168

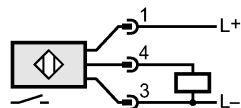
Displays / operating elements

Output status indication LED yellow

Electrical connection

Connection M12 connector

Wiring



Accessories

Accessories (included) Mounting clamp; screwdriver

Remarks

Pack quantity [piece] 1