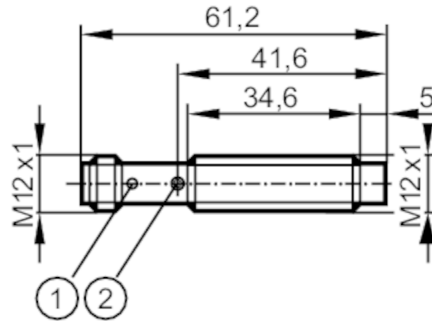


KF5002



Capacitive sensor

KFA3080NBPKG/NI/US



- 1 LED 4 x 90°
- 2 potentiometer



Application		
Media		dry bulk material; liquids
Electrical data		
Operating voltage	[V]	10...36 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 12
Protection class		III
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]	100
Switching frequency DC	[Hz]	50
Short-circuit proof		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	3...12
Sensing range adjustable		yes
Factory setting sensing range	[mm]	8
Real sensing range Sr	[mm]	8 ± 10 %
Accuracy / deviations		
Correction factor		glass: 0.6 / water: 1 / ceramics: 0.5 / PVC: 0.4
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-20...20
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 65
Increased immunity		yes

KF5002



Capacitive sensor

KFA3080NBPKG/NI/US

Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	634
Mechanical data		
Weight	[g]	48.4
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions	[mm]	M12 x 1 / L = 61
Thread designation	M12 x 1	
Materials	stainless steel (1.4404 / 316L); PEEK	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12		



Connection

