

KG5025

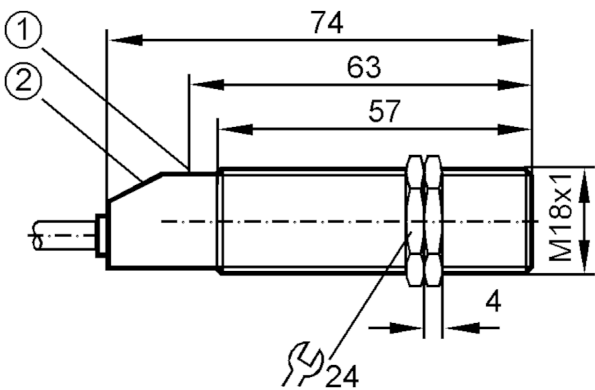


Capacitive sensor

KG-3008-FNKG/NI

Article no longer available - archive entry

Alternative articles: KG5067
When selecting an alternative article and accessories please note that technical data may differ!



- 1 pushbuttons
- 2 LED 3 x



Product characteristics		
Electrical design		NPN
Output function		normally open / closed; (selectable)
Sensing range	[mm]	2.5...8
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 74
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	30; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		NPN
Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	40

KG5025



Capacitive sensor

KG-3008-FNKG/NI

Short-circuit protection	yes	
Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Sensing range [mm]	2.5...8	
Sensing range adjustable	yes	
Factory setting sensing range [mm]	8	
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	
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing	Threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M18 x 1 / L = 74	
Thread designation	M18 x 1	
Material	PBT	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
	Function	1 x LED, red
Accessories		
Items supplied	lock nuts: 2	
	screwdriver: 1	
Remarks		
Pack quantity	1 pcs.	

KG5025



Capacitive sensor

KG-3008-FNKG/NI

Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection

