

# efectoriso

# ifm electronic

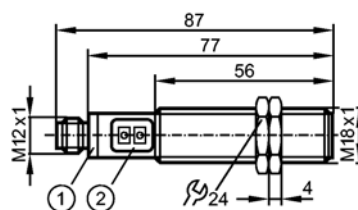


Capacitive sensors

## KG5066

KG-3120NFPKGP2T/US  
Capacitive sensor  
Plastic thread M18 x 1  
Connector

Sensing range 12 mm [nfl]  
non-flush mountable



1: LED ring  
2: Programming buttons



Made in Germany

<b>Application</b>	For dry bulk material and liquids. Optimised for media with a dielectric constant < 20 (e.g. oils, plastic granulates).
<b>Electrical design</b>	DC PNP
<b>Output</b>	normally open / closed programmable
Operating voltage [V]	10...36 DC
Current rating [mA]	200
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop [V]	< 2.5
Current consumption [mA]	< 20
Real sensing range [mm]	12 ± 10 %
Switch-point drift [% of Sr]	-20...20
Hysteresis [% of Sr]	1...15
Switching frequency [Hz]	10
Correction factors	water = 1 / glass approx. 0.4 / ceramics approx. 0.2 / PVC approx. 0.1
Target medium temperature [°C]	110
Ambient temperature [°C]	-25...80 *)
Protection	IP 65 / IP 67, II
EMC	IEC 60947-5-2: 1997 + A1: 1999 + A2: 2003
Housing materials	housing: PBT; connector: PC; buttons: TPE-U
Function display	
Switching status LED	yellow (LED ring and connector light translucently)
Connection	M12 connector
Weight [kg]	0.055
Remarks	*) temperature of the sensing face -25...110 °C
Accessories (included)	2 lock nuts

### Wiring

