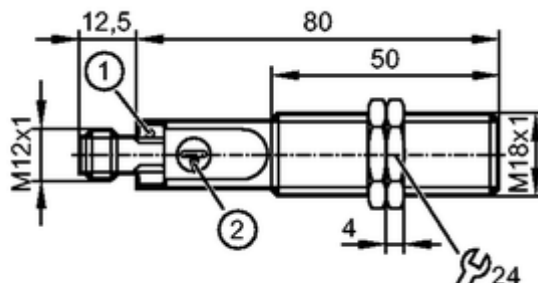


KG5306

KG-3150NANKG/SL/1P/US/IO

Capacitive sensors



- 1: LED yellow (output status indication)
2: Potentiometer (sensing range)

**Product characteristics**

Capacitive sensor

Plastic thread M18 x 1

M12 connector

Sensing range 15 mm; einstellbar 0.5...30 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC NPN
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 22
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	yes
Overload protection	yes
Switching frequency [Hz]	40

Range


Sensing range [mm]	15, einstellbar 0.5...30 mm
Real sensing range (Sr) [mm]	15 ± 10 %

Accuracy / deviations

Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-15...15

Interfaces**IO-Link device**

Transfer type	COM2 (38.4 kBaud)
IO-Link revision	1.1
SDCI standard	IEC 61131-9
Profiles	Smart Sensor: Process Data Variable; Device Identification
SIO mode	yes

Required master port class	A	
Min. process cycle time [ms]	20	
Environment		
Ambient temperature [°C]	-25...80	
Medium temperature [°C]	-25...110	
Protection	IP 65 / IP 67 / IP 69K	
Tests / approvals		
EMC	EN 61000-4-2	8 kV AD / 4 kV CD
	EN 61000-4-3	10 V/m
	EN 61000-4-4	2 kV
	EN 61000-4-6	10 V
	EN 55011:	class B
Vibration resistance	DIN EN 60947-5-2	1 mm amplitude, oscillation period 5 min., 30 min. per axis at resonance or 55 Hz
Shock resistance	DIN EN 60947-5-2	30 g 6 shocks / 11 ms half-sine (x,y,z)
MTTF [Years]	1204	
Mechanical data		
Mounting	non-flush mountable	
Housing materials	PBT; PC; POM	
Tightening torque [Nm]	8	
Weight [kg]	0.026	
Displays / operating elements		
Output status indication LED	yellow	
Electrical connection		
Wiring		
		
4: OUT / IO-Link		
Accessories		
Accessories (included)	2 lock nuts	
Remarks		
Pack quantity [piece]	1	

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