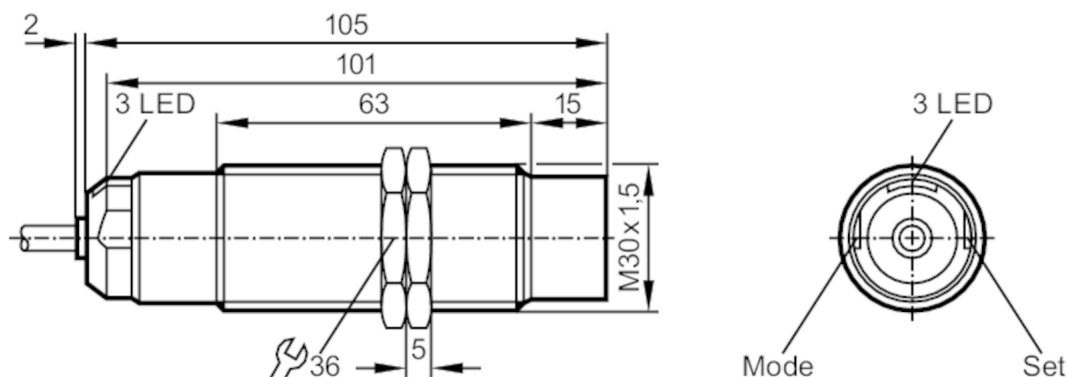


Capacitive sensor

KNM30NUAFBOW/SL

Article no longer available - archive entry



Product characteristics

Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	sensing range programmable
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 105

Application

Special feature		Optical setting aid
Installation		detection through non-metallic container walls
Media		dry bulk material; liquids
Medium temperature	[°C]	-25...100

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	30...250 AC
Protection class		I

Outputs

Output function		normally open / normally closed; (selectable)
Max. voltage drop switching output AC	[V]	10
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5 (250 V) / 1.7 (110 V)
Permanent current rating of switching output AC	[mA]	150; (200 (...40 °C))
Short-time current rating of switching output	[mA]	1000; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	5

Detection zone

Sensing range	[mm]	sensing range programmable
Sensing range adjustable		yes

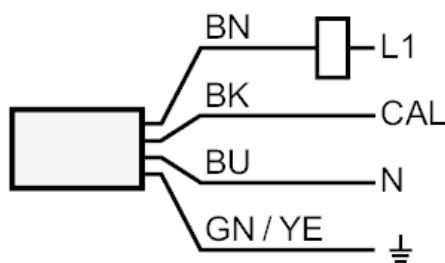
KN0001



Capacitive sensor

KNM30NUAFBOW/SL

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 105
Thread designation		M30 x 1.5
Materials		brass Optalloy-plated; PBT; PPS
Displays / operating elements		
Display	switching status	1 x LED, yellow
	unsafe zone	1 x LED, red
	programming	1 x LED, green
Optical setting aid		yes
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 4 x 0.5 mm ²		
Connection		



CAL = programming input
Core colours :
BK = black
BN = brown
BU = blue
GN/YE = green/yellow