

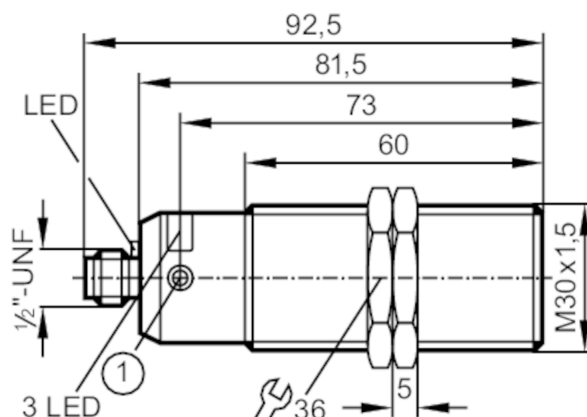
## Capacitive sensor

KNM30NPKABOW/LS100

Article no longer available - archive entry

Alternative articles: KI0054

When selecting an alternative article and accessories please note that technical data may differ!



1 programming button



## Product characteristics

|                    |                            |
|--------------------|----------------------------|
| Output function    | normally open              |
| Sensing range [mm] | sensing range programmable |
| Housing            | threaded type              |
| Dimensions [mm]    | M30 x 1.5 / L = 92         |

## Application

|                         |                                                |
|-------------------------|------------------------------------------------|
| Installation            | detection through non-metallic container walls |
| Media                   | dry bulk material; liquids                     |
| Medium temperature [°C] | -25...110                                      |

## Electrical data

|                             |             |
|-----------------------------|-------------|
| Frequency AC [Hz]           | 47...63     |
| Operating voltage [V]       | 30...250 AC |
| Protection class            | II          |
| Reverse polarity protection | no          |

## Outputs

|                                                      |                                          |
|------------------------------------------------------|------------------------------------------|
| Output function                                      | normally open                            |
| Max. voltage drop switching output AC [V]            | 10                                       |
| Minimum load current [mA]                            | 5                                        |
| Max. leakage current [mA]                            | 2.5 (250 V AC); (typical 1.7 mA (110 V)) |
| Permanent current rating of switching output AC [mA] | 200; (250 (...40 °C))                    |
| Short-time current rating of switching output [mA]   | 1500; (20 ms / 0,5 Hz)                   |

# KN0005



## Capacitive sensor

KNM30NPKABOW/LS100

|                        |      |    |
|------------------------|------|----|
| Switching frequency AC | [Hz] | 5  |
| Short-circuit proof    |      | no |

### Detection zone

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

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |

### Tests / approvals

|     |               |  |
|-----|---------------|--|
| EMC | IEC 60947-5-2 |  |
|-----|---------------|--|

### Mechanical data

|                    |      |                     |
|--------------------|------|---------------------|
| Housing            |      | threaded type       |
| Mounting           |      | non-flush mountable |
| Dimensions         | [mm] | M30 x 1.5 / L = 92  |
| Thread designation |      | M30 x 1.5           |
| Materials          |      | PBT; PP             |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 2 x LED, yellow |
|         | programming      | 1 x LED, green  |
|         | error            | 1 x LED, red    |

### Electrical connection

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Required protection | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting |
|---------------------|----------------------------------------------------------|

### Аксессуары

|                |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

### Remarks

|               |                                                                               |
|---------------|-------------------------------------------------------------------------------|
| Remarks       | Recommendation: Check the safe functioning of the unit after a short circuit. |
| Pack quantity | 1 pcs.                                                                        |

### Electrical connection - plug

Connector: 1 x 1/2"; coding: C



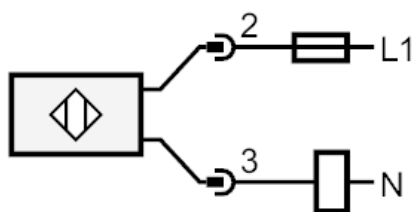
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### Connection



Note miniature fuse to IEC60127-2 sheet 1  $\leq 2$  A fast acting