

## KN344107

### CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

sensor capacitive, Ø34mm 81long, Non-flush, Sn: 6-30, 20-250V AC, Two-wire NO, Cable 2m PVC, IP67, PBT, LED, Manual adjustment



#### MECHANICAL FEATURES

|  |                    |
|--|--------------------|
| Active area material of sensor           | PA 6.6 (synthetic) |
| Ambient temperature                      | -25 °C ... 70 °C   |
| Cable length                             | 2 m                |
| Degree of protection (IP)                | IP67               |
| Design                                   | Cylinder plain     |
| Housing material                         | PBT                |
| Material of cable sheath                 | PVC                |
| Mechanical mounting condition for sensor | Non-flush          |
| Number of cores                          | 2                  |
| Pressure-proof                           | -                  |
| Sensor diameter                          | 34 mm              |
| Sensor length                            | 81 mm              |

#### ELECTRICAL FEATURES

|   |                       |
|---|-----------------------|
| Cascadable                                    | -                     |
| Correction factor (glass)                     | 0.6                   |
| Correction factor (oil)                       | 0.5                   |
| Correction factor (PVC)                       | 0.5                   |
| Correction factor (wood)                      | 0.6                   |
| Hysteresis                                    | 15 %                  |
| Min. output current                           | 5 mA                  |
| No-load current                               | 15 mA                 |
| Rated control supply voltage $U_s$ at AC 50HZ | 20 V ... 250 V        |
| Rated switching current                       | 300 mA                |
| Setting procedure                             | Manual adjustment     |
| Suitable for safety functions                 | -                     |
| Supply voltage                                | 20 V ... 250 V        |
| Switching distance                            | 30 mm                 |
| Switching distance                            | 6 mm ... 30 mm        |
| Switching frequency                           | 15 Hz                 |
| Type of electrical connection                 | Cable                 |
| Type of switching function                    | Normally open contact |
| Type of switching output                      | Two-wire              |

## ELECTRICAL FEATURES

|  |      |
|--|------|
| Voltage drop                                   | 10 V |
| Voltage type                                   | AC   |
| With LED display                               | +    |
| With monitoring function of downstream devices | -    |

## OTHER FEATURES

|                 |   |
|-----------------|---|
| Level detection | + |
|-----------------|---|

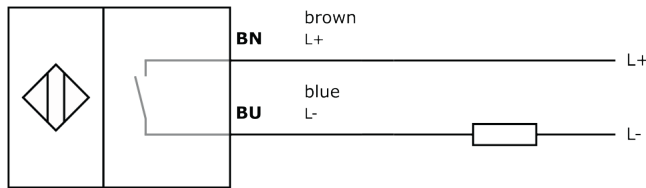
## Other

|                      |                           |
|----------------------|---------------------------|
| Packaging dimensions | 74.0mm x 74.0mm x 143.0mm |
| Shipping weight      | 0.24kg                    |
| Tariff code          | 85365080                  |

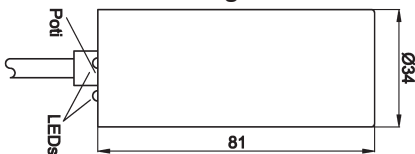
## Classification

|                   |          |
|-------------------|----------|
| ipf product group | 243      |
| eClass 8.0        | 27270102 |
| eClass 9.0        | 27270102 |
| eClass 9.1        | 27270102 |
| ETIM-5.0          | EC002715 |
| ETIM-6.0          | EC002715 |
| ETIM-7.0          | EC002715 |

## Connection



## Dimensional drawing



## Installation



Mounting / installation may only be carried out by a qualified electrician!

## Disposal



## Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.

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