

# KT5009



## Capacitive touch sensor

KTRDHMKGRBPKG/AM/2M



### Product characteristics

|                   |                |
|-------------------|----------------|
| Electrical design | PNP            |
| Output function   | normally open  |
| Dimensions [mm]   | Ø 100 / L = 11 |

### Application

|                     |         |
|---------------------|---------|
| Operating principle | dynamic |
|---------------------|---------|

### Electrical data

|                          |            |
|--------------------------|------------|
| Operating voltage [V]    | 12...30 DC |
| Current consumption [mA] | 30         |
| Protection class         | III        |

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|                                                 |                  |                                                                                                      |
|-------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------|
| Reverse polarity protection                     |                  | yes                                                                                                  |
| Max. power-on delay time                        | [ms]             | 500                                                                                                  |
| <b>Outputs</b>                                  |                  |                                                                                                      |
| Electrical design                               |                  | PNP                                                                                                  |
| Output function                                 |                  | normally open                                                                                        |
| Permanent current rating of switching output DC | [mA]             | 200                                                                                                  |
| Short-circuit protection                        |                  | yes                                                                                                  |
| Overload protection                             |                  | yes                                                                                                  |
| Length of output signal                         | [ms]             | 300                                                                                                  |
| <b>Response times</b>                           |                  |                                                                                                      |
| Response time                                   | [ms]             | 35                                                                                                   |
| <b>Operating conditions</b>                     |                  |                                                                                                      |
| Ambient temperature                             | [°C]             | -40...85                                                                                             |
| Protection                                      |                  | IP 67; IP 69K; (on the front)                                                                        |
| <b>Tests / approvals</b>                        |                  |                                                                                                      |
| MTTF                                            | [years]          | 419                                                                                                  |
| <b>Mechanical data</b>                          |                  |                                                                                                      |
| Weight                                          | [g]              | 160.5                                                                                                |
| Dimensions                                      | [mm]             | Ø 100 / L = 11                                                                                       |
| Materials                                       |                  | active face: PA Grilamid TR 90UV transparent; housing: PC/ABS black; Coloured surround: PC/ABS green |
| <b>Displays / operating elements</b>            |                  |                                                                                                      |
| Display                                         | switching status | 8 x LED, red                                                                                         |
|                                                 | function         | 8 x LED, green can be triggered                                                                      |
| <b>Accessories</b>                              |                  |                                                                                                      |
| Accessories (optional)                          |                  | surround in different colours                                                                        |
| <b>Remarks</b>                                  |                  |                                                                                                      |
| Pack quantity                                   |                  | 1 pcs.                                                                                               |

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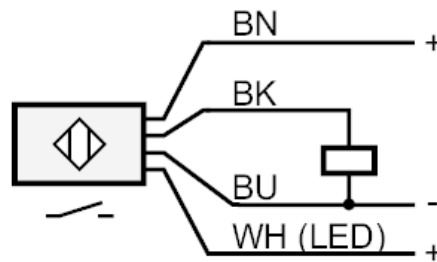
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### Electrical connection

Cable: 2 m, PUR

### Connection



|      |                |
|------|----------------|
|      | Core colours : |
| BK = | black          |
| BN = | brown          |
| BU = | blue           |
| WH = | white          |