

# KT5020



## Capacitive touch sensor

KTRDHOKGRBPKG/AM/US/0,3M



### Product characteristics

|                   |                 |
|-------------------|-----------------|
| Electrical design | PNP             |
| Output function   | normally open   |
| Dimensions [mm]   | Ø 96.9 / L = 11 |

### Application

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

### Electrical data

|                               |            |
|-------------------------------|------------|
| Operating voltage [V]         | 12...30 DC |
| Current consumption [mA]      | 30         |
| Protection class              | III        |
| Reverse polarity protection   | yes        |
| Max. power-on delay time [ms] | 500        |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| 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           |

### Response times

|                    |    |
|--------------------|----|
| Response time [ms] | 35 |
|--------------------|----|

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### Operating conditions

|                     |      |                               |
|---------------------|------|-------------------------------|
| Ambient temperature | [°C] | -40...85                      |
| Protection          |      | IP 67; IP 69K; (on the front) |

### Mechanical data

|            |      |                                                                     |
|------------|------|---------------------------------------------------------------------|
| Weight     | [g]  | 136.5                                                               |
| Dimensions | [mm] | Ø 96.9 / L = 11                                                     |
| Materials  |      | active face: PA Grilamid TR 90UV transparent; housing: PC/ABS black |

### Displays / operating elements

|         |                  |                                           |
|---------|------------------|-------------------------------------------|
| Display | switching status | 8 x LED, red                              |
|         | function         | 8 x LED, green can be activated via PIN 2 |

### Аксессуары

|                        |                               |
|------------------------|-------------------------------|
| Accessories (optional) | surround in different colours |
|------------------------|-------------------------------|

### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Cable: 0.3 m, PUR

### Electrical connection - plug

Connector: 1 x M12; coding: A



### Connection

