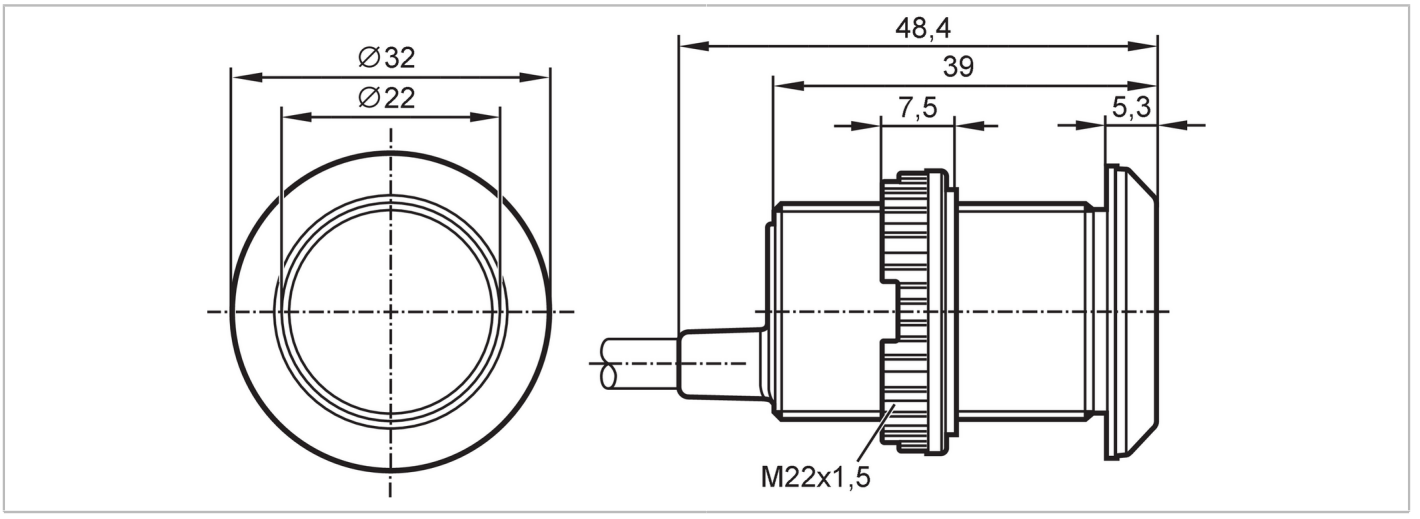
# KT6300

## Illuminated capacitive touch sensor

KTMEF-EMMFFKG/2m/IO

Article no longer available - archive entry

Alternative articles: KTE301 or KTE302
When selecting an alternative article and accessories please note that technical data may differ!




| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP/NPN |
| Output function | | normally open / normally closed |
| Communication interface | | IO-Link |
| Housing | | threaded type |
| Dimensions | [mm] | M22 x 1.5 / L = 48.1 |
| **Application** | | |
| Operating principle | | dynamic;  (static; bistable parameterisable) |
| **Electrical data** | | |
| Operating voltage | [V] | 10...30 DC |
| Current consumption | [mA] | 30 |
| Protection class | | III |
| Reverse polarity protection | | yes |
| **Outputs** | | |
| Electrical design | | PNP/NPN |
| Output function | | normally open / normally closed |
| Permanent current rating of switching output DC | [mA] | 150 |
| Short-circuit protection | | yes |
| Overload protection | | yes |
| **Response times** | | |
| Response time | [ms] | 35 |
| **Software / programming** | | |
| Parameter setting options | | normally open / normally closed; PNP/NPN; statisch / dynamisch / bistabil / Ein-Ausschaltverzögerung; brightness; Aktivierungs- Operations- Inputfarbe; sensitivity |

# KT6300

## Illuminated capacitive touch sensor

KTMEF-EMMFFKG/2m/IO

| | | | |
|---|---|---|---|
| **Interfaces** | | | |
| Communication interface | | IO-Link | |
| Transmission type | | COM2 (38,4 kBaud) | |
| IO-Link revision | | 1.1 | |
| SDCI standard | | IEC 61131-9 | |
| Profiles | | Smart Sensor - SSP 0 | Generic Profiled Sensor |
| | | Common - I&D | Identification and Diagnosis |
| | | Function | Fixed switching signal |
| SIO mode | | yes | |
| Required master port type | | A | |
| Process data analogue | | 1 | |
| Process data binary | | 1 | |
| Min. process cycle time | [ms] | 3.5 | |
| Supported DeviceIDs | | **Type of operation** | **DeviceID** |
| | | default | 1002 |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -20...80 | |
| Protection | | IP 65; IP 67; IP 69K;  (on the front) | |
| **Tests / approvals** | | | |
| EMC | | IEC 61000-4 | |
| MTTF | [years] | 318 | |
| **Mechanical data** | | | |
| Weight | [g] | 119.5 | |
| Housing | | threaded type | |
| Dimensions | [mm] | M22 x 1.5 / L = 48.1 | |
| Thread designation | | M22 x 1.5 | |
| Materials | | housing: stainless steel (303/1.4305); active face: PA Grilamid TR 90UV | |
| **Displays / operating elements** | | | |
| Display | | | 1 x LED, blue / green / red / magenta / yellow / white / orange |
| | | preset | |
| | | switching status | green |
| | | operation | - |
| | | function | red |
| **Accessories** | | | |
| Items supplied | | lock nuts: 1 x M22 | |
| | | Gasket: 1 | |
| Accessories (optional) | | symbol disc | |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |

# KT6300

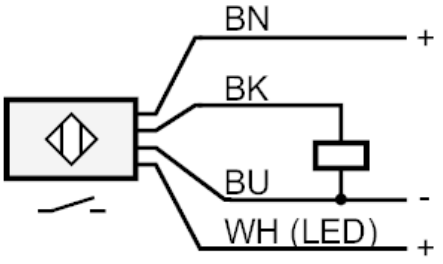
## Illuminated capacitive touch sensor

**KTMEF-EMMFFKG/2m/IO**

## Electrical connection

Cable: 2 m, PUR

### Connection




| | |
|---|---|
| BK = | IO-Link |
| | Core colours : |
| BK = | black |
| BN = | brown |
| BU = | blue |
| WH = | white |
| | function display can be activated via WH |