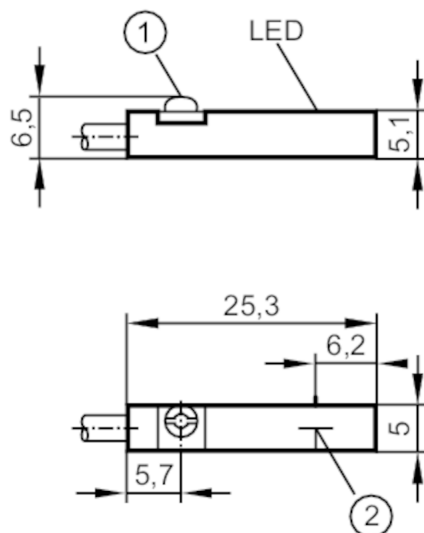




## T-slot cylinder sensor

MKT3028BBPKG/G/6,0M/ZH



- 1 fastening clamp  
2 Sensing face



## Product characteristics

|                   |               |
|-------------------|---------------|
| Electrical design | PNP           |
| Output function   | normally open |
| Dimensions [mm]   | 25 x 5 x 6.5  |

## Electrical data

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Operating voltage [V]         | 10...30 DC; ("supply class 2" to cULus) |
| Current consumption [mA]      | < 10                                    |
| Protection class              | III                                     |
| Reverse polarity protection   | yes                                     |
| Max. power-on delay time [ms] | 30                                      |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 200           |
| Switching frequency DC [Hz]                          | 10000         |
| Short-circuit protection                             | yes           |
| Overload protection                                  | yes           |

## Detection zone

|                           |      |
|---------------------------|------|
| Response sensitivity [mT] | 2.8  |
| Travel speed [m/s]        | > 10 |

## Accuracy / deviations

|                 |       |
|-----------------|-------|
| Hysteresis [mm] | < 1.5 |
|-----------------|-------|

# MK5117



## T-slot cylinder sensor

MKT3028BBPKG/G/6,0M/ZH

|               |      |       |
|---------------|------|-------|
| Repeatability | [mm] | < 0.2 |
|---------------|------|-------|

### Operating conditions

|                     |      |              |
|---------------------|------|--------------|
| Ambient temperature | [°C] | -25...85     |
| Protection          |      | IP 65; IP 67 |

### Tests / approvals

|             |                           |                |
|-------------|---------------------------|----------------|
| EMC         | EN 61000-4-2 ESD          | - CD / 8 kV AD |
|             | EN 61000-4-3 HF radiated  | 10 V/m         |
|             | EN 61000-4-4 Burst        | 2 kV           |
|             | EN 61000-4-6 HF conducted | 10 V           |
|             | EN 55011                  | class B        |
| MTTF        | [years]                   | 3694           |
| UL approval | UL Approval no.           | C003           |

### Mechanical data

|                  |      |                                                                             |
|------------------|------|-----------------------------------------------------------------------------|
| Weight           | [g]  | 73.5                                                                        |
| Mounting         |      | flush mountable                                                             |
| Type of mounting |      | fastening clamp with combined slot / hexagon socket, width across flats 1.5 |
| Cylinder type    |      | T-slot cylinders                                                            |
| Dimensions       | [mm] | 25 x 5 x 6.5                                                                |
| Materials        |      | housing: PA; fastening clamp: stainless steel                               |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

### Accessories

|                |                       |
|----------------|-----------------------|
| Items supplied | rubber placeholder: 1 |
|                | Cable clip: 1         |

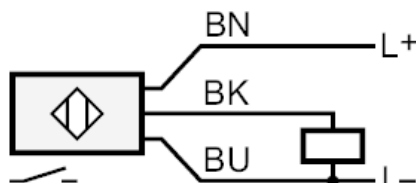
### Remarks

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

### Electrical connection

Cable: 6 m, PUR; 3 x 0.14 mm<sup>2</sup>

### Connection



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