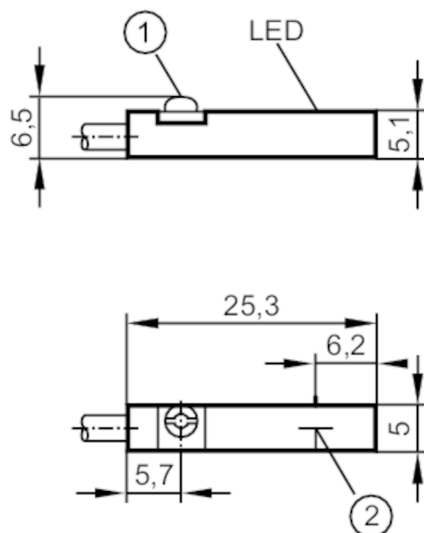


# MK5117



## T-slot cylinder sensor

MKT3028BBPKG/G/6,0M/ZH



- 1 fastening clamp  
2 Sensing face



### 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 |
| Repeatability | [mm] | < 0.2 |

### Operating conditions

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

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### 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                                                                          |
| 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

|                        |                       |  |
|------------------------|-----------------------|--|
| Accessories (supplied) | rubber placeholder: 1 |  |
|                        | Cable clip: 1         |  |

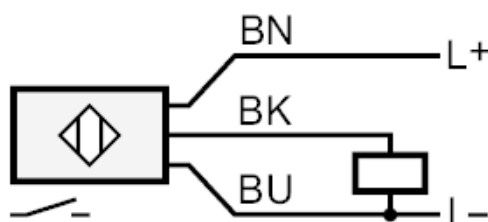
### Remarks

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