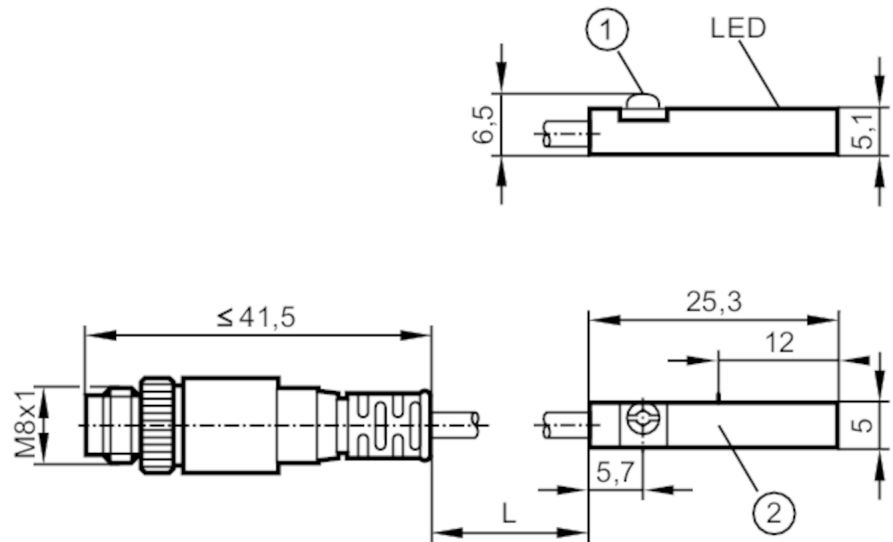


# MK5171



## T-slot cylinder sensor

MKT3020BBPKG/A/0,5M/ZH/ASR



- 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 |
| 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] | 100           |
| Switching frequency DC [Hz]                          | 6000          |
| Short-circuit protection                             | yes           |
| Overload protection                                  | yes           |

### Detection zone

|                           |      |
|---------------------------|------|
| Response sensitivity [mT] | 2    |
| Travel speed [m/s]        | > 10 |

### Accuracy / deviations

|                 |   |
|-----------------|---|
| Hysteresis [mm] | 1 |
|-----------------|---|



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|               |      |       |
|---------------|------|-------|
| 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]                   | 2064           |
| UL approval | UL Approval no.           | C003           |

## Mechanical data

|                  |      |                                                                             |
|------------------|------|-----------------------------------------------------------------------------|
| Weight           | [g]  | 16.8                                                                        |
| 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

|               |                                                       |
|---------------|-------------------------------------------------------|
| Remarks       | operating voltage "supply class 2" according to cULus |
| Pack quantity | 1 pcs.                                                |

## Electrical connection - plug

Cable: 0.5 m, PUR

Connector: 1 x M8; coding: A; Locking: knurled nut, rotatable



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### Connection

