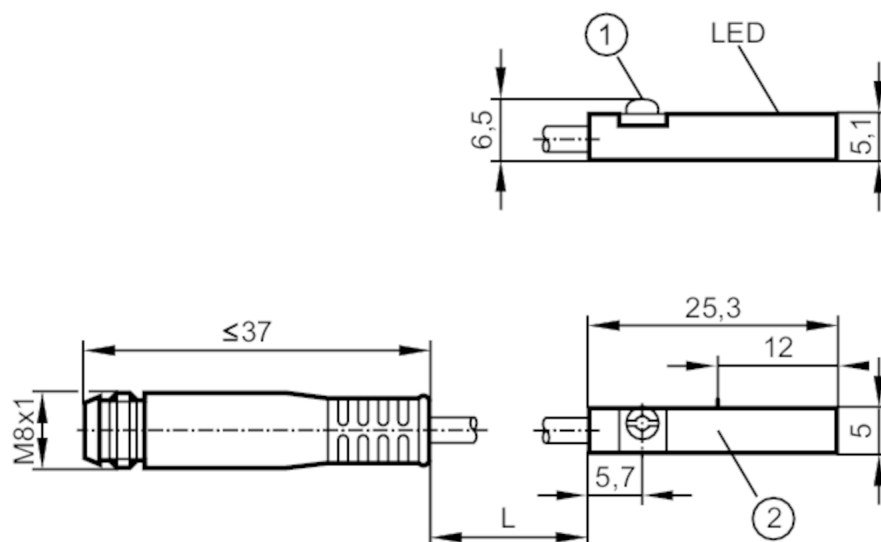


# MK5138



## T-slot cylinder sensor

MKT3020BBPKG/A/0,3M/ZH/AS



- 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; (cULus - Class 2 source required) |
| 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           |

### Monitoring range

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

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| Accuracy / deviations                                                                          |                           |                                                                             |
|------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------|
| Hysteresis                                                                                     | [mm]                      | < 1                                                                         |
| 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 number        | C003                                                                        |
| Mechanical data                                                                                |                           |                                                                             |
| Weight                                                                                         | [g]                       | 12.1                                                                        |
| 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                                                                |
| Material                                                                                       |                           | housing: PA; Fastening clamp: stainless steel                               |
| Displays / operating elements                                                                  |                           |                                                                             |
| Display                                                                                        | Switching status          | 1 x LED, yellow                                                             |
| Accessories                                                                                    |                           |                                                                             |
| Accessories (supplied)                                                                         | rubber memory stop: 1     |                                                                             |
|                                                                                                | cable clip: 1             |                                                                             |
| Remarks                                                                                        |                           |                                                                             |
| Pack quantity                                                                                  | 1 pcs.                    |                                                                             |
| Electrical connection - plug                                                                   |                           |                                                                             |
| Cable: 0.3 m, PUR                                                                              |                           |                                                                             |
| Connector: 1 x M8; Locking: snap-fit                                                           |                           |                                                                             |
| <div></div> |                           |                                                                             |

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### Connection

