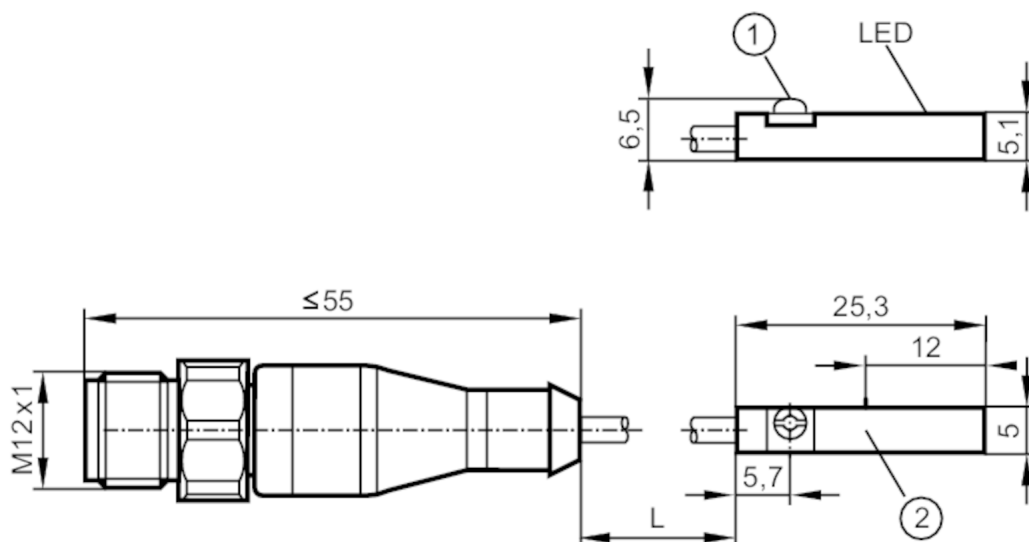


# MK5174



## T-slot cylinder sensor

MKT3020BBPKG/A/5,0MI-H/US



- 1 fastening clamp  
2 Sensing face



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

### Operating conditions

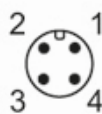
|                     |      |                      |
|---------------------|------|----------------------|
| Ambient temperature | [°C] | -25...85             |
| Protection          |      | IP 65; IP 67; IP 69K |

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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]                                                                     | 2064            |
| Mechanical data                                                                                |                                                                             |                 |
| Weight                                                                                         | [g]                                                                         | 77.4            |
| 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 |
| Electrical connection                                                                          |                                                                             |                 |
| Connection                                                                                     | plug                                                                        |                 |
| Accessories                                                                                    |                                                                             |                 |
| Accessories (supplied)                                                                         | rubber placeholder: 1                                                       |                 |
|                                                                                                | Cable clip: 1                                                               |                 |
| Remarks                                                                                        |                                                                             |                 |
| Notes                                                                                          | discontinued article                                                        |                 |
| Pack quantity                                                                                  | 1 pcs.                                                                      |                 |
| Electrical connection - plug                                                                   |                                                                             |                 |
| Cable: 5 m, PVC                                                                                |                                                                             |                 |
| Connector: 1 x M12; Locking: Hexagon nut, rotatable                                            |                                                                             |                 |
| <div></div> |                                                                             |                 |

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### Connection

