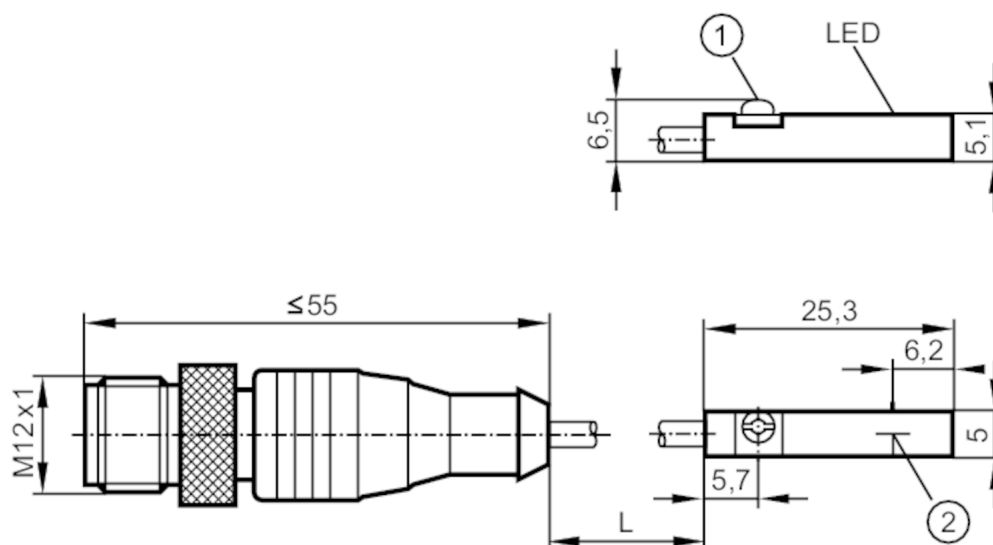


# MK5107



## T-slot cylinder sensor

MKT3028BBPKG/G/0,3M/ZH/US



- 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]                          | 10000         |
| Short-circuit protection                             | yes           |
| Overload protection                                  | yes           |

## Monitoring range

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

### Accuracy / deviations

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

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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]                   | 3694           |
| UL approval | UL approval number        | C003           |

### Mechanical data

|                  |      |                                                                             |
|------------------|------|-----------------------------------------------------------------------------|
| Weight           | [g]  | 21.1                                                                        |
| 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

|                |                       |
|----------------|-----------------------|
| Items supplied | rubber memory stop: 1 |
|                | cable clip: 1         |

### Remarks

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

### Electrical connection - plug

Cable: 0.3 m, PUR

Connector: 1 x M12; coding: A; Locking: Knurled nut, rotatable



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### Connection

