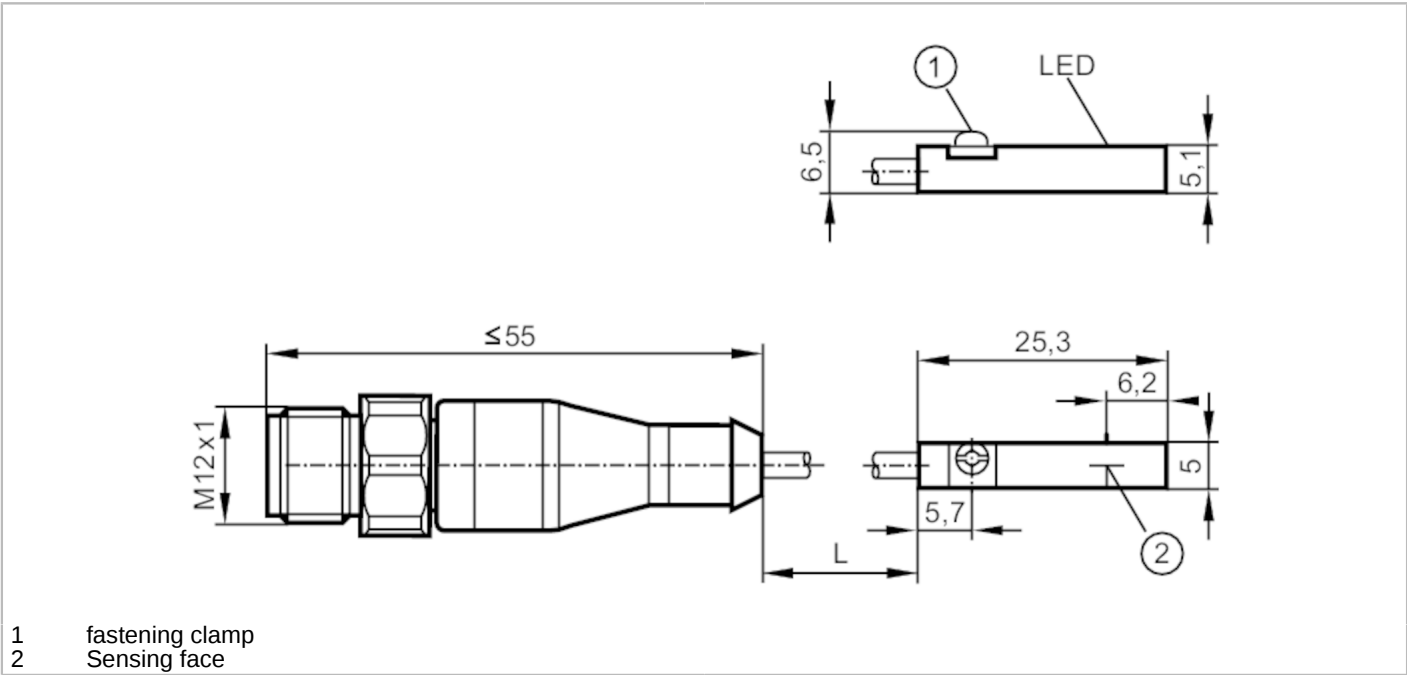


# MK501A



## T-slot cylinder sensor

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



- 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]  | 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         |

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|               |      |       |
|---------------|------|-------|
| Repeatability | [mm] | < 0.2 |
|---------------|------|-------|

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...60 |
|---------------------|------|----------|

|            |              |
|------------|--------------|
| Protection | IP 65; IP 67 |
|------------|--------------|

### Tests / approvals

|              |                              |
|--------------|------------------------------|
| ATEX marking | II 3D Ex tc IIIC T125°C Dc X |
|--------------|------------------------------|

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

### Mechanical data

|        |     |      |
|--------|-----|------|
| Weight | [g] | 52.4 |
|--------|-----|------|

|          |                 |
|----------|-----------------|
| Mounting | flush mountable |
|----------|-----------------|

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| Type of mounting | fastening clamp with combined slot / hexagon socket, width across flats 1.5 |
|------------------|-----------------------------------------------------------------------------|

|               |                                                                         |
|---------------|-------------------------------------------------------------------------|
| Cylinder type | T-slot cylinders; (adapters allow mounting to different cylinder types) |
|---------------|-------------------------------------------------------------------------|

|            |      |              |
|------------|------|--------------|
| Dimensions | [mm] | 25 x 5 x 6.5 |
|------------|------|--------------|

|           |                     |
|-----------|---------------------|
| Materials | PA; stainless steel |
|-----------|---------------------|

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

### Accessories

|                |                                     |
|----------------|-------------------------------------|
| Items supplied | rubber placeholder: 1               |
|                | Cable clip: 1                       |
|                | Protective cover: 1 x T-Nut, E12259 |

### Remarks

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

### Electrical connection - plug

Cable: 0.3 m, PUR

Connector: 1 x M12; coding: A; Locking: Hexagon nut, rotatable, stainless steel



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### Connection

