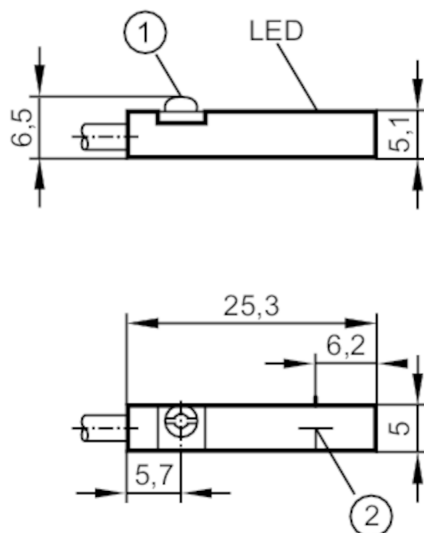


# MK500A



## T-slot cylinder sensor

MKT3028BBPKG/G/ZH/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 |
|-----------------|-------|

# MK500A



## T-slot cylinder sensor

MKT3028BBPKG/G/ZH/3D

|                                      |                           |                                                                             |
|--------------------------------------|---------------------------|-----------------------------------------------------------------------------|
| Repeatability                        | [mm]                      | < 0.2                                                                       |
| <b>Operating conditions</b>          |                           |                                                                             |
| Ambient temperature                  | [°C]                      | -25...60                                                                    |
| Protection                           |                           | IP 65; IP 67                                                                |
| <b>Tests / approvals</b>             |                           |                                                                             |
| ATEX marking                         |                           | Ex 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                                                                        |
| <b>Mechanical data</b>               |                           |                                                                             |
| Weight                               | [g]                       | 59.4                                                                        |
| 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                                                         |
| <b>Displays / operating elements</b> |                           |                                                                             |
| Display                              | switching status          | 1 x LED, yellow                                                             |
| <b>Accessories</b>                   |                           |                                                                             |
| Items supplied                       |                           | rubber placeholder: 1                                                       |
|                                      |                           | Cable clip: 1                                                               |
|                                      |                           | Protective cover: 1 x T-Nut, E12259                                         |
| <b>Remarks</b>                       |                           |                                                                             |
| Pack quantity                        |                           | 1 pcs.                                                                      |

# MK500A



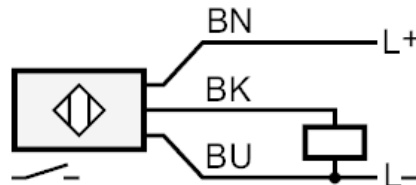
## T-slot cylinder sensor

MKT3028BBPKG/G/ZH/3D

### Electrical connection

Cable: 2 m, PUR; 3 x 0.14 mm<sup>2</sup>

### Connection



BK = Core colours :  
BN = black  
BU = brown  
blue