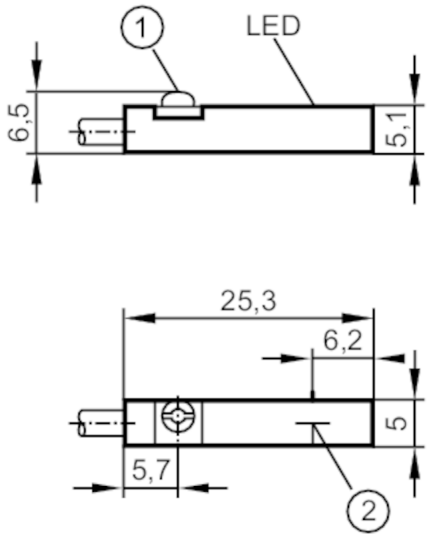


# MK5114



## T-slot cylinder sensor

MKT3028BANKG/G/ZH



- 1 Fastening clamp
- 2 sensing face



| Product characteristics                         |       |                                               |
|-------------------------------------------------|-------|-----------------------------------------------|
| Electrical design                               |       | NPN                                           |
| 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                               |       | NPN                                           |
| 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]  | 28.5                                                                        |
| 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         |

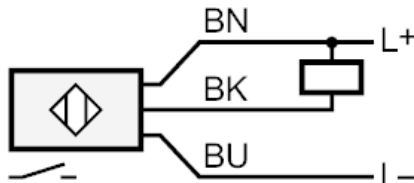
### Remarks

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

### Electrical connection

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

### Connection



|      |               |
|------|---------------|
|      | Core colors : |
| BK = | black         |
| BN = | brown         |
| BU = | blue          |