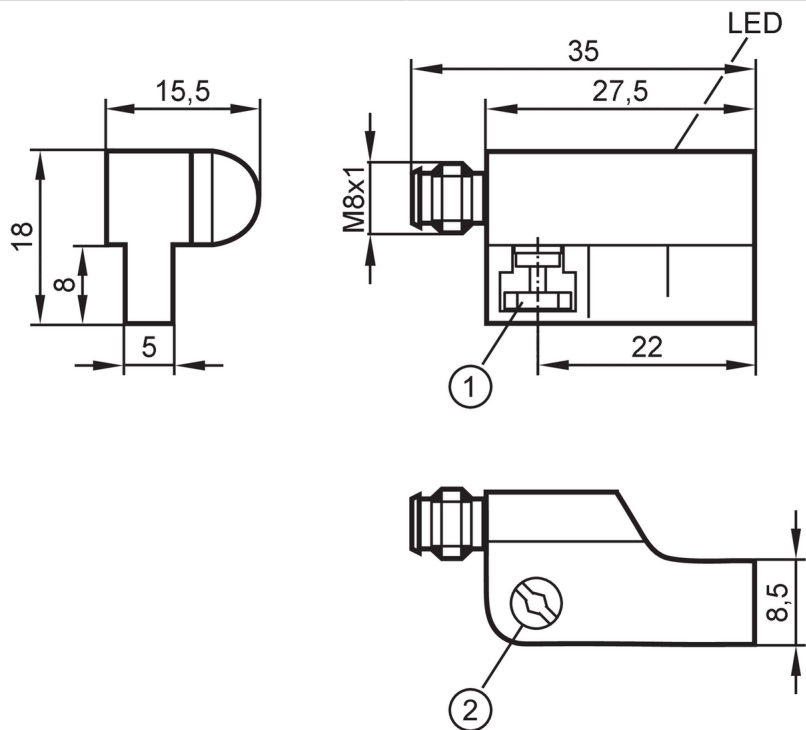


# MK5900



## T-slot cylinder sensor

MKI3020-BPKG/A/AS



- 1 fixing element  
2 combined head screw for fixing element



### Product characteristics

|                   |                  |
|-------------------|------------------|
| Electrical design | PNP              |
| Output function   | normally open    |
| Dimensions [mm]   | 27.5 x 18 x 15.5 |

### 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]                          | 6000          |
| Short-circuit protection                             | yes           |
| Overload protection                                  | yes           |

### Monitoring range

|                           |   |
|---------------------------|---|
| Magnetic sensitivity [mT] | 2 |
|---------------------------|---|

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

### 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]                   | 1887           |

### Mechanical data

|                  |      |                                                                |
|------------------|------|----------------------------------------------------------------|
| Weight           | [g]  | 12.4                                                           |
| Mounting         |      | non-flush mountable                                            |
| Type of mounting |      | fixing element with combined head slot / hexagon socket AF 1.5 |
| Cylinder type    |      | T-slot cylinders                                               |
| Dimensions       | [mm] | 27.5 x 18 x 15.5                                               |
| Material         |      | housing: PA; fixing element: stainless steel / brass           |

### Displays / operating elements

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

### Accessories

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

### Remarks

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

### Electrical connection - plug

Connector: 1 x M8; coding: A; Contacts: 3; Locking: snap-fit



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### Connection

