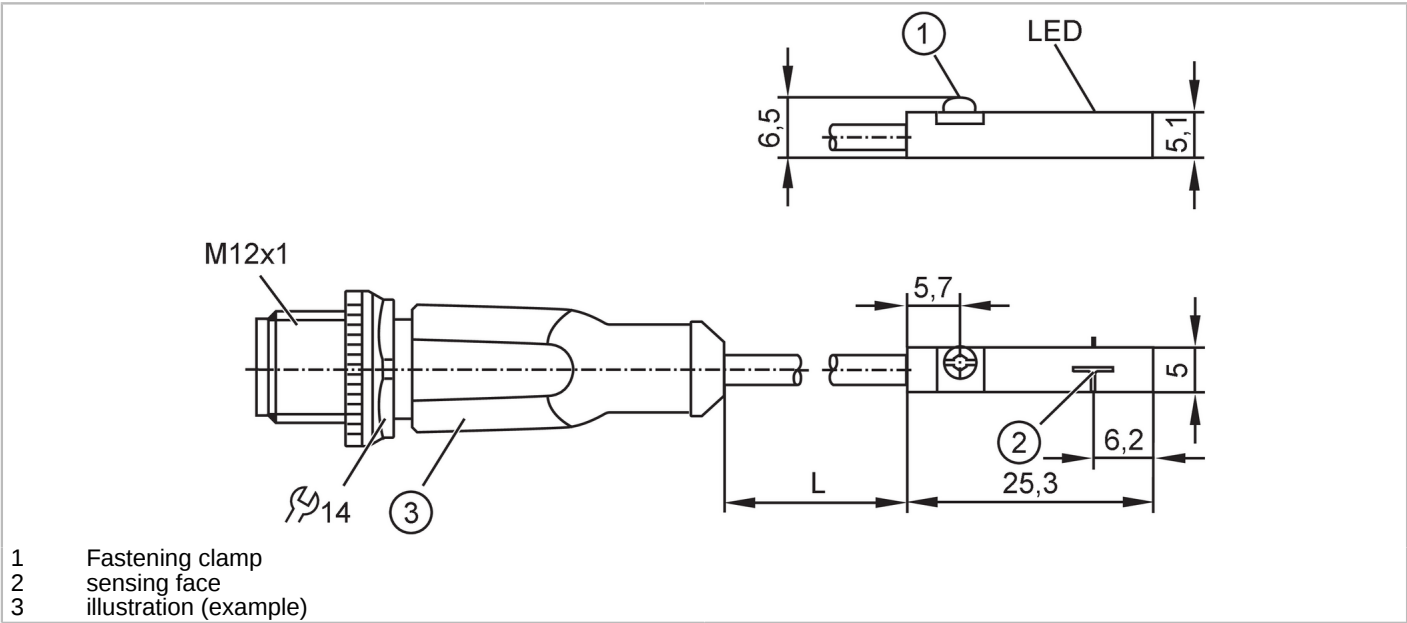


# MK5131



## T-slot cylinder sensor

MKT3028BBPKG/G/1,0M/ZH/US



| 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]  | 200                                           |
| 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                                         |
| Repeatability                                   | [mm]  | < 0.2                                         |

# MK5131



## T-slot cylinder sensor

MKT3028BBPKG/G/1,0M/ZH/US

| 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 61000-4-5 Surge        | 0,5 kV line to line, Ri: 2 Ohm                                 |
|                                                                             | 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]                       | 29.3                                                           |
| Mounting                                                                    |                           | flush mountable                                                |
| Type of mounting                                                            |                           | fixing element with combined head slot / hexagon socket AF 1.5 |
| Cylinder type                                                               |                           | T-slot cylinders                                               |
| Dimensions                                                                  | [mm]                      | 25 x 5 x 6.5                                                   |
| Material                                                                    |                           | PA; 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: 1 m, PUR                                                             |                           |                                                                |
| Connector: 1 x M12; coding: A; Contacts: 4; Locking: Knurled nut, rotatable |                           |                                                                |
|                                                                             |                           |                                                                |

# MK5131



## T-slot cylinder sensor

MKT3028BBPKG/G/1,0M/ZH/US

### Connection

