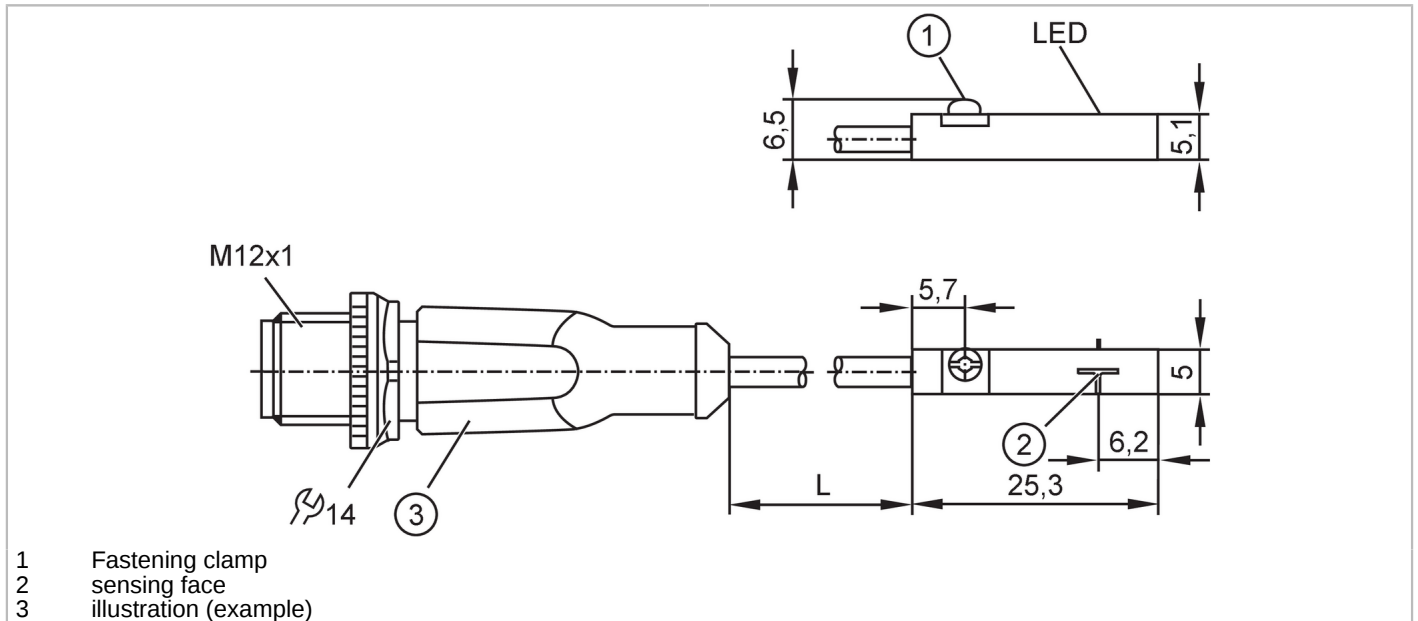


MK5109



T-slot cylinder sensor

MKT2028BARKG/G/0,3M/ZH/US



| Product characteristics | |
|--|---|
| Electrical design | PNP/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) |
| Protection class | III |
| Reverse polarity protection | yes |
| Max. power-on delay time [ms] | 30 |
| Outputs | |
| Electrical design | PNP/NPN |
| Output function | normally open |
| Max. voltage drop switching output DC [V] | 4.5 |
| Minimum load current [mA] | 5 |
| Max. leakage current [mA] | 0.8 |
| Permanent current rating of switching output DC [mA] | 100 |
| Switching frequency DC [Hz] | 4000 |
| 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 |

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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] | 3145 |
| UL approval | UL approval number | C003 |

Mechanical data

| | | |
|------------------|------|---|
| Weight | [g] | 21.2 |
| 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 - plug

Cable: 0.3 m, PUR

Connector: 1 x M12; coding: A; Locking: Knurled nut, rotatable



Connection

