



T-slot cylinder sensor with reed contact □MR0107

URL:<https://www.sxplc.com/t-slot-cylinder-sensor-with-reed-contact-mr0107>

Product data sheet

Product characteristics

| | |
|-------------------|----------------|
| Electrical design | PNP/NPN |
| Output function | normally open |
| Dimensions [mm] | 30.5 x 5 x 6.5 |

Electrical data

| | |
|-----------------------------|---|
| Operating voltage [V] | 5...50 AC / 5...60 DC; (UL supply class 2: 5...60 DC / 5...30 AC) |
| Protection class | III |
| Reverse polarity protection | yes |
| Reverse polarity protection | yes |

Outputs

| | |
|--|---|
| Electrical design | PNP/NPN |
| Output function | normally open |
| Max. voltage drop switching output DC [V] | 5 |
| Max. voltage drop switching output AC [V] | 5 |
| Permanent current rating of switching output AC [mA] | 100; (External protective circuit for inductive load (valve, contactor, etc.) necessary.) |
| Permanent current rating of switching output DC [mA] | 100; (External protective circuit for inductive load (valve, contactor, etc.) necessary.) |
| Switching frequency AC [Hz] | 1000 |
| Switching frequency DC [Hz] | 1000 |
| Max. switching power [W] | 10 |
| Short-circuit protection | no |
| Short-circuit proof | no |
| Overload protection | no |

Monitoring range

| | |
|---------------------------|-----|
| Magnetic sensitivity [mT] | 2.1 |
| Travel speed [m/s] | 10 |

Accuracy / deviations

| | |
|--------------------|------------|
| Hysteresis [mm] | 1 |
| Repeatability [mm] | -0.2...0.2 |

Reaction times

| | |
|----------------------------------|-----|
| Max. fall time [ms] | 0.1 |
| Max. make time incl. bounce [ms] | 0.6 |

Operating conditions

| | |
|--------------------------|--------------|
| Ambient temperature [°C] | -25...70 |
| 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 | 1 kV line to line, Ri: 2 Ohm |
| | EN 61000-4-6 HF conducted | 10 V |
| | EN 55011 | class B |
| MTTF [years] | 11303 | |
| UL approval | UL approval number | C004 |

Mechanical data

| | |
|--|---|
| Weight [g] | 21.3 |
| Mounting | flush mountable |
| Cylinder type | T-slot cylinders |
| Dimensions [mm] | 30.5 x 5 x 6.5 |
| Material | housing: PA; Fastening clamp: stainless steel |
| Switching cycles when connected to PLC [Mio] | < 40 |

Displays / operating elements

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

Electrical connection

| | |
|---------------------|--|
| Required protection | miniature fuse to IEC60127-2 sheet 1; ≤ 0.175 A; fast acting |
|---------------------|--|

Accessories

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

Remarks

| | |
|---------------|---|
| Remarks | No LED function in case of polarity reversal in DC operation. UL - Class 2 source required |
| Pack quantity | 1 pcs. |

Electrical connection - plug

| | |
|--|--|
| | Cable: 0.3 m, PUR |
| | Connector: 1 x M12, coding: A; Locking: Knurled nut, rotatable |

