



## **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

