



T-slot cylinder sensor with reed contact□MR0107

URL:[https://www.sxplc.com/t-slot-cylinder-sensor-with-reed-
contact-mr0107](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 EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-5 Surge EN 61000-4-6 HF conducted EN 55011	- CD / 8 kV AD 10 V/m 2 kV 1 kV line to line, Ri: 2 Ohm 10 V 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	

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