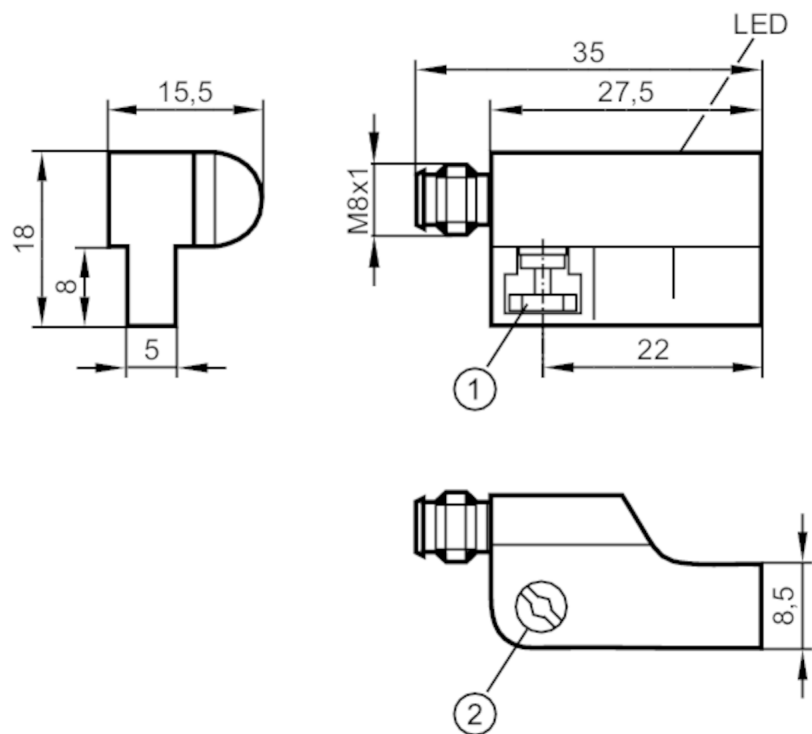




T-slot cylinder sensor with reed contact

MRI2021-AKOA/R/AS



- 1 Fixing element
- 2 combined head screw for fixing element



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Dimensions [mm]	27.5 x 18 x 15.5

Electrical data

Operating voltage [V]	5...50 AC / 5...60 DC; (cULus supply class 2: 5...30 AC / 5...60 DC)
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



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Short-circuit protection		no
Overload protection		no
Detection zone		
Response sensitivity	[mT]	2.1
Travel speed	[m/s]	10
Accuracy / deviations		
Hysteresis	[mm]	1
Repeatability	[mm]	< 0.2
Response 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	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	9434
Mechanical data		
Weight	[g]	12.5
Mounting		non-flush mountable
Type of mounting		fastening clamp with combined slot / hexagon socket, width across flats 1.5
Cylinder type		T-slot cylinders
Dimensions	[mm]	27.5 x 18 x 15.5
Materials		housing: PA; fastening clamp: stainless steel / brass
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 placeholder: 1
Remarks		
Remarks		No LED function in case of polarity reversal in DC operation. Recommendation: Check the safe functioning of the unit after a short circuit. operating voltage "supply class 2" according to cULus
Pack quantity		1 pcs.

MR0901

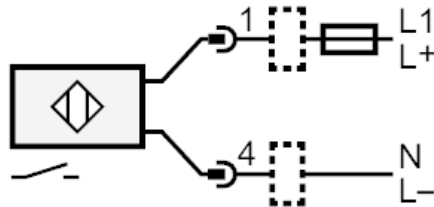


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Electrical connection - plug

Connector: 1 x M8; coding: A; Locking: snap-fit



Note miniature fuse to IEC60127-2 sheet 1 ≤ 0.175 A fast acting