



T-slot cylinder sensor with reed contact

MRT3021BBKOA/R/ZH



- 1 fastening clamp with combined slot / hexagon socket head hexagonal socket AF 1.5
 2 Sensing face



Electrical data

Operating voltage	[V]	5...50 AC/DC; (External protective circuit for inductive load (valve, contactor, etc.) necessary.; "supply class 2" to cULus)
Protection class		III
Reverse polarity protection		no

Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1
Max. voltage drop switching output AC	[V]	1
Permanent current rating of switching output AC	[mA]	350
Permanent current rating of switching output DC	[mA]	500
Switching frequency AC	[Hz]	1000
Switching frequency DC	[Hz]	1000
Max. switching power	[W]	10
Short-circuit proof		no
Overload protection		no

Detection zone

Response sensitivity	[mT]	2.1
Travel speed	[m/s]	10

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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 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	20385
UL approval	UL Approval no.	C004
Mechanical data		
Weight	[g]	29
Mounting		flush mountable
Cylinder type		T-slot cylinders
Dimensions	[mm]	30.5 x 5 x 6.5
Materials		PA; fastening clamp: stainless steel
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 0,75 A; fast acting; DC operation; ≤ 0,6 A; fast acting; AC operation	
Accessories		
Accessories (supplied)	rubber placeholder: 1	
	Cable clip: 1	
Remarks		
Pack quantity	1 pcs.	

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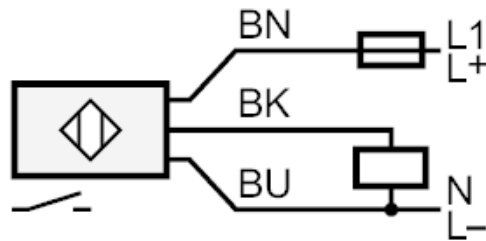
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Cable: 2 m, PUR; 3 x 0.14 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1

≤ 0.75 A fast acting DC operation

≤ 0.6 A fast acting AC operation

Core colours :

BK = black
BN = brown
BU = blue