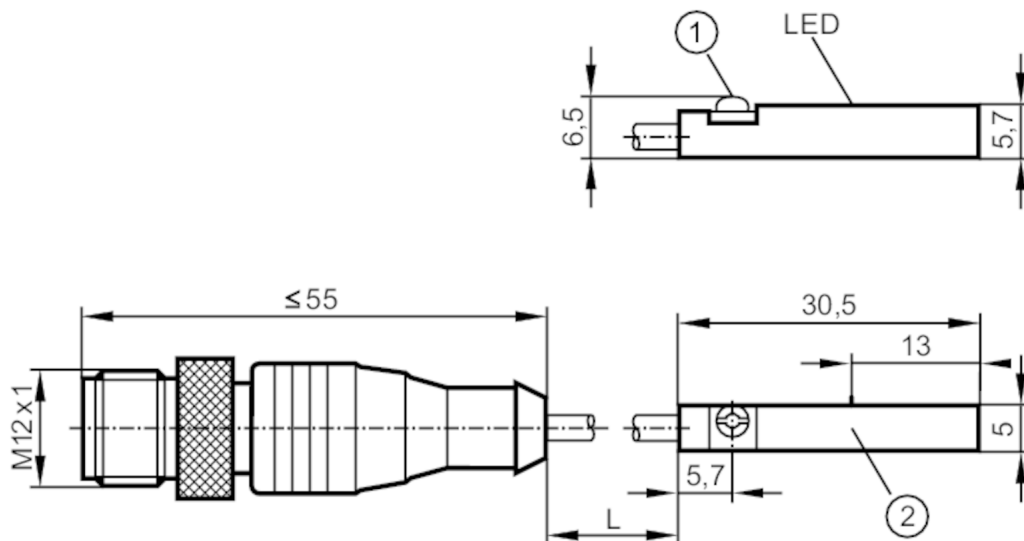




T-slot cylinder sensor with reed contact

MRT3021BBKOA/R/0,3M/ZH/US



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



Product characteristics

Electrical design	PNP
Output function	normally open
Dimensions [mm]	30.5 x 5 x 6.5

Electrical data

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



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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 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	20385
UL approval	UL Approval no.	C004
Mechanical data		
Weight	[g]	21.3
Mounting		flush mountable
Cylinder type		T-slot cylinders
Dimensions	[mm]	30.5 x 5 x 6.5
Materials		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; ≤ 0,75 A; fast acting; DC operation; ≤ 0,6 A; fast acting; AC operation
Accessories		
Items supplied		rubber placeholder: 1
		Cable clip: 1
Remarks		
Pack quantity		1 pcs.

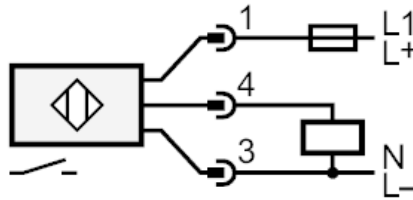
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Electrical connection - plug

Cable: 0.3 m, PUR

Connector: 1 x M12; coding: A; Locking: knurled nut, rotatable



Note miniature fuse to IEC60127-2 sheet 1
 ≤ 0.75 A fast acting DC operation
 ≤ 0.6 A fast acting AC operation