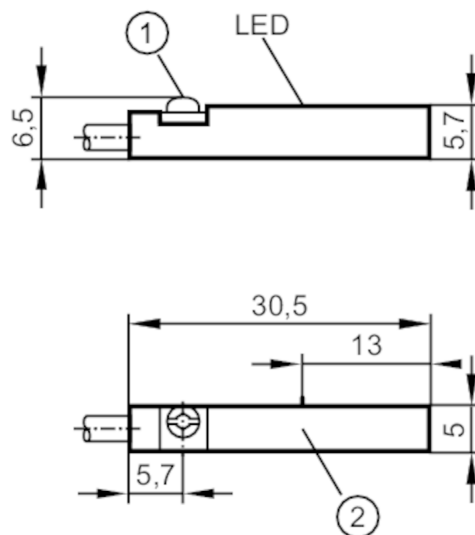




## T-slot cylinder sensor with reed contact

MRT3038BBKOA/R/6M/ZH



- 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.) |
| 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            |

# MR0130



## T-slot cylinder sensor with reed contact

MRT3038BBKOA/R/6M/ZH

|                                        |                           |                                                                                                               |                 |
|----------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------|-----------------|
| Overload protection                    |                           | no                                                                                                            |                 |
| Detection zone                         |                           |                                                                                                               |                 |
| Response sensitivity                   | [mT]                      | 3.8                                                                                                           |                 |
| 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         |
| UL approval                            | UL Approval no.           |                                                                                                               | C004            |
| Mechanical data                        |                           |                                                                                                               |                 |
| Weight                                 | [g]                       | 71.5                                                                                                          |                 |
| 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.                    |                                                                                                               |                 |

# MR0130



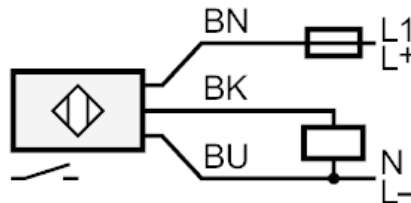
## T-slot cylinder sensor with reed contact

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### Electrical connection

Cable: 6 m, PUR; 3 x 0.14 mm<sup>2</sup>

### 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