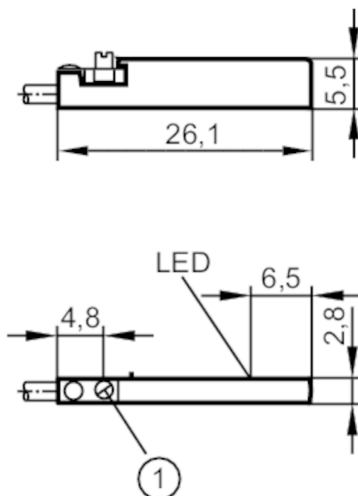




## Cylinder sensor with GMR cell

MKC3028BANKG/G/ZH



1 fastening clamp



### Product characteristics

|                   |                  |
|-------------------|------------------|
| Electrical design | NPN              |
| Output function   | normally open    |
| Dimensions [mm]   | 26.1 x 2.8 x 5.5 |

### Electrical data

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Operating voltage [V]         | 10...30 DC; ("supply class 2" to cULus) |
| Current consumption [mA]      | < 10                                    |
| Protection class              | III                                     |
| Reverse polarity protection   | yes                                     |
| Max. power-on delay time [ms] | 30                                      |

### Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | NPN           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 2.5           |
| Permanent current rating of switching output DC [mA] | 100           |
| Switching frequency DC [Hz]                          | 10000         |
| Short-circuit protection                             | yes           |
| Overload protection                                  | yes           |

### Detection zone

|                           |      |
|---------------------------|------|
| Response sensitivity [mT] | 2.8  |
| Travel speed [m/s]        | > 10 |

### Accuracy / deviations

|                    |       |
|--------------------|-------|
| Hysteresis [mm]    | 1.5   |
| Repeatability [mm] | < 0.2 |

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...85 |
|--------------------------|----------|

# MK5309



## Cylinder sensor with GMR cell

MKC3028BANKG/G/ZH

|            |              |
|------------|--------------|
| 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        | [ANN]                     | 3694           |
| UL approval | UL Approval no.           | C008           |

### Mechanical data

|               |      |                                               |
|---------------|------|-----------------------------------------------|
| Weight        | [g]  | 17                                            |
| Mounting      |      | flush mountable                               |
| Cylinder type |      | C-slot cylinders                              |
| Dimensions    | [mm] | 26.1 x 2.8 x 5.5                              |
| Materials     |      | housing: PA; fastening clamp: stainless steel |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

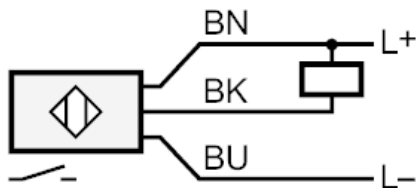
### Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

### Electrical connection

Cable: 2 m, PUR; 3 x 0.08 mm²

### Connection



BK = Core colours :  
BN = black  
BU = brown  
      blue