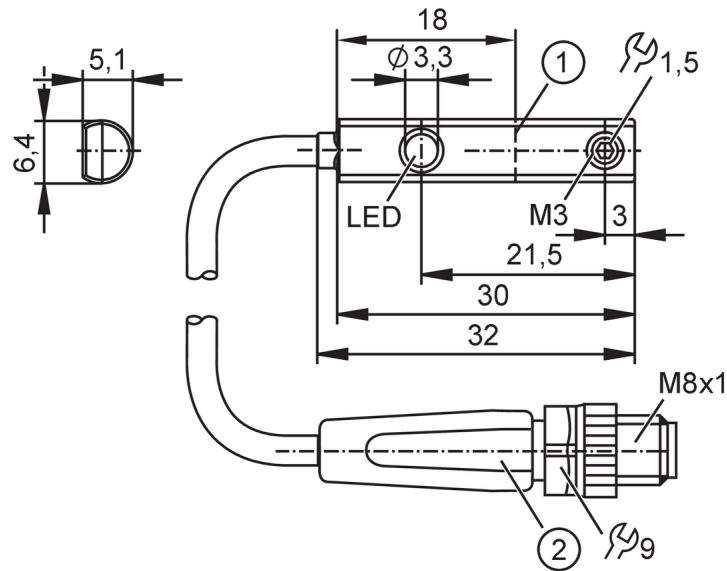


# MK5534



## Cylinder sensor with GMR cell

MKC3028BBPKG/G/0,3M/ZH/ASR



- 1 sensing face  
2 illustration (example)



### Product characteristics

|                   |                |
|-------------------|----------------|
| Electrical design | PNP            |
| Output function   | normally open  |
| Dimensions [mm]   | 32 x 6.4 x 5.1 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...30 DC |
| Current consumption [mA]    | < 10       |
| Protection class            | III        |
| Reverse polarity protection | yes        |
| Power-on delay time [s]     | < 0.05     |

### Outputs

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Electrical design                                    | PNP                |
| 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]                          | > 1000             |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |
| Overload protection                                  | yes                |

### Monitoring range

|                           |     |
|---------------------------|-----|
| Magnetic sensitivity [mT] | 2.8 |
|---------------------------|-----|

### Accuracy / deviations

|                 |           |
|-----------------|-----------|
| Hysteresis [mm] | 0.5...1.5 |
|-----------------|-----------|

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|               |      |       |
|---------------|------|-------|
| Repeatability | [mm] | < 0.1 |
|---------------|------|-------|

### Operating conditions

|                     |      |              |
|---------------------|------|--------------|
| Ambient temperature | [°C] | -25...80     |
| Protection          |      | IP 65; IP 67 |

### Tests / approvals

|                      |                    |                                                                                    |
|----------------------|--------------------|------------------------------------------------------------------------------------|
| EMC                  | EN 61000-4-2       | - CD / 8 kV AD                                                                     |
|                      | EN 61000-4-3       | 10 V/m                                                                             |
|                      | EN 61000-4-4       | 2 kV                                                                               |
|                      | EN 61000-4-6       | 10 V                                                                               |
|                      | EN 55011           | class B                                                                            |
| Vibration resistance | DIN EN 60068-2-6   | 15 g (10...55 Hz) / 10 frequency cycles, 1 octave/minute, in 3 axes                |
| Shock resistance     | DIN IEC 68-2-27    | 30 g 11 ms half-sine; 1000 shocks each in every direction of the 3 coordinate axes |
| Vibration resistance | DIN EN 60068-2-64  | 10 g / (20...2000 Hz) 100 minutes, in 3 axes                                       |
| MTTF                 | [years]            | 3523                                                                               |
| UL approval          | Ta                 | -25...55 °C                                                                        |
|                      | Enclosure type     | Type 1                                                                             |
|                      | voltage supply     | Class 2                                                                            |
|                      | UL approval number | C013                                                                               |
|                      | File number UL     | E174191                                                                            |

### Mechanical data

|               |      |                                                                                        |
|---------------|------|----------------------------------------------------------------------------------------|
| Weight        | [g]  | 14.6                                                                                   |
| Mounting      |      | flush mountable                                                                        |
| Cylinder type |      | C-slot cylinders                                                                       |
| Dimensions    | [mm] | 32 x 6.4 x 5.1                                                                         |
| Material      |      | housing: PA reinforced glass-fiber; threaded sleeve: brass; set screw: stainless steel |

### Displays / operating elements

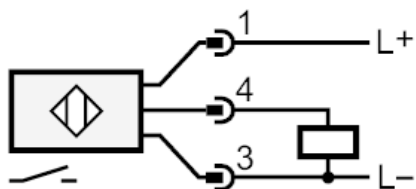
|         |                  |                 |
|---------|------------------|-----------------|
| Display | Switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

### Remarks

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

### Electrical connection

#### Connection



# MK5534



## Cylinder sensor with GMR cell

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### Electrical connection - plug

Cable: 0.3 m, PVC; 3 x 0.14 mm<sup>2</sup>

Connector: 1 x M8; coding: A; Locking: Knurled nut

