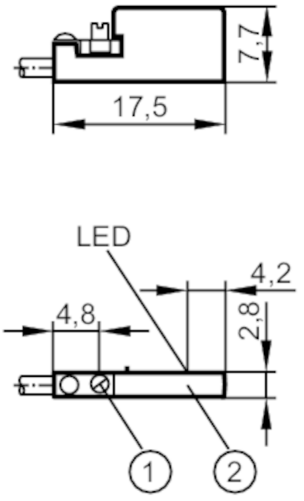
# MK5306

## C-slot cylinder sensor

MKC3028-ANKG/G/ZH




1 fastening clamp
2 Sensing face

| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | NPN |
| Output function | | normally open |
| Dimensions | [mm] | 17.5 x 2.8 x 7.7 |
| **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 |

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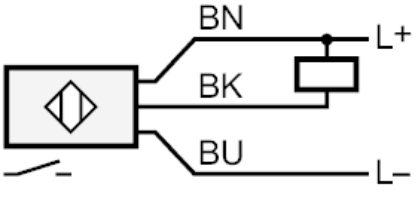
| | | | |
|---|---|---|---|
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...85 | |
| Protection | | IP 65; IP 67 | |
| **Tests / approvals** | | | |
| EMC | | EN 61000-4-2 ESD | - CD / 8 kV AD |
| | | EN 61000-4-3 HF radiated | 10 V/m |
| | | EN 61000-4-4 Burst | 2 kV |
| | | EN 61000-4-6 HF conducted | 10 V |
| | | EN 55011 | class B |
| MTTF | [years] | 3694 | |
| UL approval | | UL Approval no. | C008 |
| **Mechanical data** | | | |
| Weight | [g] | 18.3 | |
| Mounting | | non-flush mountable | |
| Cylinder type | | C-slot cylinders | |
| Dimensions | [mm] | 17.5 x 2.8 x 7.7 | |
| 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




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