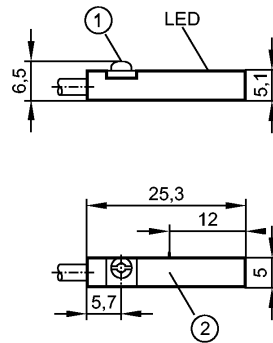


**MK5156**

MKT3020BAPKG/A/ZH/

Magnetic sensors, cylinder sensors



- 1: Fastening clamp
- 2: sensing face



Made in Germany

| Product characteristics              |  |
|--------------------------------------|--|
| cylinder sensor with AMR cell        |  |
| Plastic housing for T-slot cylinders |  |
| Cable                                |  |
| [f] flush mountable                  |  |
| Magnetic sensitivity 2.0 mT          |  |
| Travel speed > 10 m/s                |  |
| Electrical data                      |  |
| Electrical design                    | DC PNP   |
| Operating voltage [V]                | 10...30 DC; cULus - Class 2 source required  |
| Current consumption [mA]             | < 10   |
| Protection class                     | III  |
| Reverse polarity protection          | yes  |
| Power-on delay time [ms]             | < 30   |
| Outputs                              |  |
| Output function                      | normally closed  |
| Voltage drop [V]                     | < 2.5  |
| Current rating [mA]                  | 100  |
| Short-circuit protection             | yes  |
| Overload protection                  | yes  |
| Switching frequency [Hz]             | 6000   |
| Monitoring range                     |  |
| Magnetic sensitivity [mT]            | 2.0  |
| Travel speed [m/s]                   | > 10   |
| Accuracy / deviations                |  |
| Hysteresis [mm]                      | 1.0  |
| Repeatability [mm]                   | < 0.2  |
| Environment                          |  |
| Ambient temperature [°C]             | -25...85   |
| Protection                           | IP 65 / IP 67  |
| Tests / approvals                    |  |
| EMC                                  | EN 61000-4-2 ESD: - CD / 8 kV AD<br>EN 61000-4-3 HF radiated: 10 V/m (80...2000 MHz) |



**MK5156**

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**Magnetic sensors, cylinder sensors**

|      |                            |                      |
|------|----------------------------|----------------------|
|      | EN 61000-4-4 Burst:        | 2 kV                 |
|      | EN 61000-4-6 HF conducted: | 10 V (0.15...80 MHz) |
|      | EN 55011:                  | class B              |
| MTTF | [Years]                    | 2076                 |

**Mechanical data**

|                   |   |
|-------------------|---|
| Mounting          | flush mountable   |
| Housing materials | housing: PA (polyamide); Fastening clamp: stainless steel |
| Weight            | [kg] 0.029  |

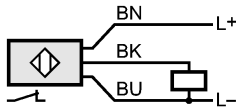
**Displays / operating elements**

|                          |     |        |
|--------------------------|-----|--------|
| Output status indication | LED | yellow |
|--------------------------|-----|--------|

**Electrical connection**

|            |   |
|------------|---|
| Connection | PUR cable / 2 m; 3 x 0.14 mm <sup>2</sup> |
|------------|---|

**Wiring**



**Accessories**

|                        |                                |
|------------------------|--------------------------------|
| Accessories (included) | rubber placeholder; cable clip |
|------------------------|--------------------------------|

**Remarks**

|         |  |
|---------|--|
| Remarks | Clamping screw with combined slot/hexagon socket head AF 1.5 |
|---------|--|

|               |           |
|---------------|-----------|
| Pack quantity | [piece] 1 |
|---------------|-----------|