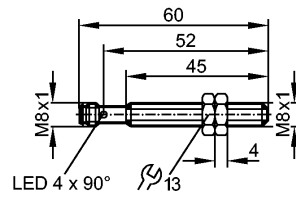


**ME5010**

MEK3060-BPKG/AS-514-TPS

Magnetic sensors, cylinder sensors



**Product characteristics**

|                                              |
|----------------------------------------------|
| Magnetic sensor                              |
| Metal thread M8 x 1                          |
| Quick disconnect                             |
| Sensing range 60 mm; referred to magnet M4.0 |
| Magnetic sensitivity ca. 1.2 mT              |

**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                                         |

**Outputs**

|                          |                    |
|--------------------------|--------------------|
| Output function          | normally open      |
| Voltage drop [V]         | < 2.5              |
| Current rating [mA]      | 200                |
| Short-circuit protection | yes (non-latching) |
| Overload protection      | yes                |
| Switching frequency [Hz] | 5000               |

**Monitoring range**

|                           |                             |
|---------------------------|-----------------------------|
| Sensing range [mm]        | 60, referred to magnet M4.0 |
| Magnetic sensitivity [mT] | ca. 1.2                     |

**Accuracy / deviations**

|                      |        |
|----------------------|--------|
| Hysteresis [% of Sr] | 1...10 |
|----------------------|--------|

**Environment**

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...75 |
| Protection               | IP 67    |

**Tests / approvals**

|              |                                                      |
|--------------|------------------------------------------------------|
| EMC          | EN 61000-4-2 ESD: 4 kV CD / 8 kV AD                  |
|              | EN 61000-4-3 HF radiated: 10 V/m                     |
|              | EN 61000-4-4 Burst: 2 kV                             |
|              | EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20Ohm) |
|              | EN 61000-4-6 HF conducted: 10 V                      |
|              | EN 55011: class B                                    |
| MTTF [Years] | 2935                                                 |

**Mechanical data**

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| Housing materials | housing: stainless steel (316L); active face: PBT orange |
| Weight [kg]       | 0.027                                                    |

**Displays / operating elements**

**ME5010**

MEK3060-BPKG/AS-514-TPS

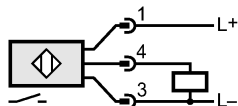
Magnetic sensors, cylinder sensors

Output status indication      LED      yellow

**Electrical connection**

Connection      M8 connector; gold-plated contacts

**Wiring**



**Accessories**

Accessories (included)      2 lock nuts

**Remarks**

Pack quantity      [piece]      1