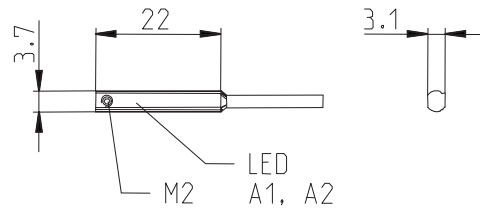
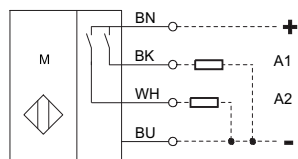


## Magnetic Sensor Series E22

Description **MEK-E22PS/HP2-KL2**

Article number **6370281185**

### Wiring diagram



### Identifying characteristics in accordance with EN 60947-5-2

| Electrical data                         |       |                                                                                                       |
|-----------------------------------------|-------|-------------------------------------------------------------------------------------------------------|
| Magnetic sensitivity                    |       | $\pm 1,5 \text{ mT} \dots \pm 13,5 \text{ mT}$                                                        |
| Switching element function              |       | DC, N.O., open collector, 2 switching points programmable                                             |
| Repeat accuracy                         | R     | $\leq 0,1 \text{ mT}$ (constant $U_b$ and ambient air temperature)                                    |
| Differential travel (hysteresis)        | H     | $1 \text{ mT} \leq H \leq 1,35 \text{ mT}$                                                            |
| Operational voltage range               | $U_b$ | 10 - 30 VDC                                                                                           |
| Rated insulation voltage                | $U_i$ | 75 VDC                                                                                                |
| Voltage drop                            | $U_d$ | $< 2 \text{ V @ } 50 \text{ mA}$                                                                      |
| Utilization category                    |       | DC-12                                                                                                 |
| Rated operational current               | $I_e$ | $\leq 50 \text{ mA}$ (1 output activated)<br>$\leq 25 \text{ mA}$ per output (both outputs activated) |
| Leakage current                         |       | $< 25 \mu\text{A}$                                                                                    |
| No-load supply current                  | $I_o$ | $< 10 \text{ mA}$ (not activated)                                                                     |
| Rated conditional short-circuit current |       | 100 A                                                                                                 |
| Switching element                       |       | Hall                                                                                                  |
| Short-circuit protection                |       | pulsed                                                                                                |
| Mounting                                |       | from side or top into a C-Groove                                                                      |
| False polarity protection               |       | yes                                                                                                   |

| Electromagnetic compatibility (EMC)                                      |               |
|--------------------------------------------------------------------------|---------------|
| Electromagnetic field test                                               | IEC 61000-4-3 |
| Electrostatic discharge test                                             | IEC 61000-4-2 |
| Electrical fast transient immunity test (Burst)                          | IEC 61000-4-4 |
| Conducted disturbances, induced by high frequency electromagnetic fields | IEC 61000-4-6 |
| Radiated disturbance field strength                                      | EN 55011      |

| Mechanical data         |           |                                                                      |
|-------------------------|-----------|----------------------------------------------------------------------|
| Enclosure               |           | PA 12, topaz                                                         |
| Ambient air temperature |           | -20 °C ... +80 °C (cable fixed mounted)                              |
| Type of protection      |           | IP 67 acc. to IEC 529, EN 60529                                      |
| Function indication     | Output A1 | LED orange, output indication / output activated                     |
|                         | Output A2 | LED yellow, output indication / output activated                     |
| Termination type        |           | Cable 4 x 0,05 mm <sup>2</sup> x 2 m ±5 %, PUR - Outer jacket, black |
| Attachment              |           | 1 x setscrew M2 x 3, DIN 913                                         |
|                         |           | 1 x allen wrench                                                     |
|                         |           | 1 x magnetic programming tool                                        |

| EU Conformity |                               |
|---------------|-------------------------------|
|               | acc. to directive 2004/108/EC |

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