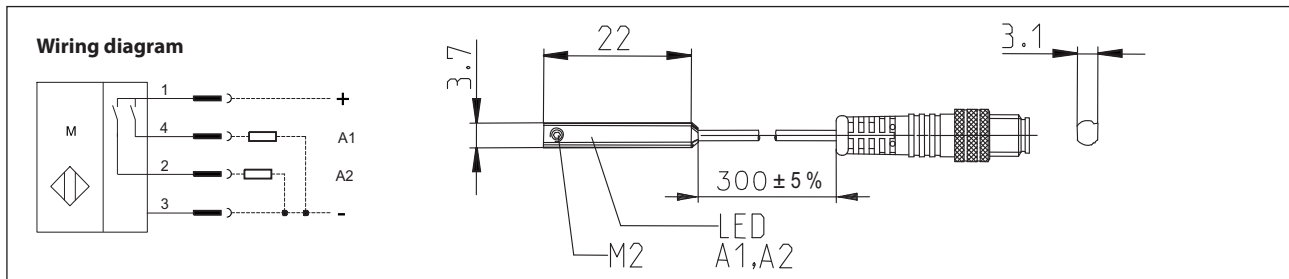


## Magnetic Sensor Series E22

Description **MEK-E22PS/HP2-KL0,3S8**

Article number **6370281186**



### 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 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, inducted 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 (only in fully locked position with it's plugs)   |
| Function indication     | Output A1 | LED orange, output indication / output activated                                  |
|                         | Output A2 | LED yellow, output indication / output activated                                  |
| Termination type        |           | Cable 0,3 m ±5 %, PUR - Outer jacket, with plug connector M8                      |
| Attachment              |           | 1 x setscrew M2 x 3, DIN 913<br>1 x allen wrench<br>1 x magnetic programming tool |

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