## Reflex Sensors

## with Background Suppression

## HO08PA3

Part Number


- Adjustable Switching Distance
- Excellent Ambient Light Suppression
- High Switching Frequency
- Large Detection Range

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## Table 1

| Light Spot Diameter | 40 mm | 60 mm | 80 mm |
| :--- | ---: | ---: | ---: |
| mm | 5 mm | 7 mm |  |


| Optical Data |  |
| :---: | :---: |
| Range | 80 mm |
| Adjustable Range | $25 . .80 \mathrm{~m}$ |
| Switching Hysteresis | < 5 \% |
| Light Source | Red Light |
| Service Life ( $\mathrm{T}=+25^{\circ} \mathrm{C}$ ) | 100000 h |
| max. Ambient Light | 10000 Lux |
| Light Spot Diameter | see Table 1 |
| Electrical Data |  |
| Supply Voltage | $10 . .30 \mathrm{~V} \mathrm{DC}$ |
| Current Consumption ( $\mathrm{Ub}=24 \mathrm{~V}$ ) | < 40 mA |
| Switching Frequency | 1 kHz |
| Response Time | $500 \mu \mathrm{~s}$ |
| Temperature Dritt | < 5 \% |
| Temperature Range | $-25 . .60^{\circ} \mathrm{C}$ |
| Switching Output Voltage Drop | $<2.5 \mathrm{~V}$ |
| PNP Switching Output/Switching Current | 200 mA |
| Short Circuit Protection | yes |
| Reverse Polarity Protection | yes |
| Overload Protection | yes |
| Mechanical Data |  |
| Housing | BrasNicPlated |
| Full Encapsulation | yes |
| Protection Mode | IP 67 |
| Connection | M 12x1 |



These sensors are particularly well suited for recognizing objects in front of any type of background. The colour, shape and surface characteristics of the object have practically no influence on sensor object have practically no influence on sen't in-
switching performance. Also these sensors don' switching performance. Also these sensors donther if their light spots are pointed onto the same spot or against each other.


