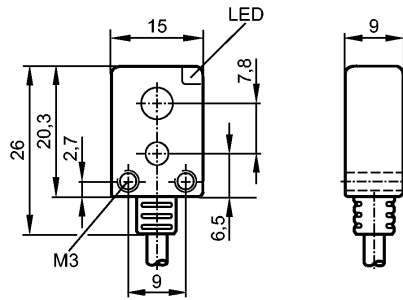


O7H202

O7H-HPKG/0.20M/AS

Photoelectric sensors



Receiver in upper lens, transmitter in lower lens

Made in Germany



Product characteristics

| | |
|---|--|
| Diffuse reflection sensor | |
| Rectangular, plastics | |
| Cable with connector | |
| Background suppression | |
| Range 0...50mm (referred to white paper 200 x 200 mm) | |

Electrical data

| | | |
|-----------------------------|--|------------------|
| Electrical design | | DC PNP |
| Operating voltage [V] | | 10...30 DC |
| Current consumption [mA] | | 20 (24 V) |
| Type of light | | Red light 633 nm |
| Protection class | | III |
| Reverse polarity protection | | yes |

Outputs

| | | |
|--------------------------|--|---------------|
| Output function | | light-on mode |
| Voltage drop [V] | | < 2.5 |
| Current rating [mA] | | 100 |
| Short-circuit protection | | pulsed |
| Switching frequency [Hz] | | 750 |

Range

| | | |
|---------------------------------|--|---|
| Range [mm] | | 0...50 (referred to white paper 200 x 200 mm) |
| Range [mm] | | 0...50 |
| - Object white (90 % remission) | | 0...50 |
| - Object grey (18 % remission) | | 2...50 |
| - Object black (6 % remission) | | 4...50 |
| Light spot diameter [mm] | | 2.5 (at maximum range) |

Environment

| | | |
|--------------------------|--|----------|
| Ambient temperature [°C] | | -25...60 |
| Protection | | IP 65 |

Tests / approvals

| | | |
|--------------|--|--------------|
| EMC | | EN 60947-5-2 |
| MTTF [Years] | | 1610 |

Mechanical data

O7H202

O7H-HPKG/0.20M/AS

Photoelectric sensors

| | |
|-------------------|-------|
| Housing materials | PA |
| Lens material | PMMA |
| Weight [kg] | 0.017 |

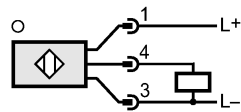
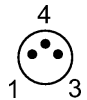
Displays / operating elements

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

Electrical connection

| | |
|------------|---|
| Connection | PUR cable / 0.2 m; 3 x 0.14 mm ² ; with M8 connector, (snap-fit) |
|------------|---|

Wiring



Remarks

| | |
|-----------------------|------------------------------|
| Remarks | UL - Class 2 source required |
| Pack quantity [piece] | 1 |