A reflector must be used in combination with these sensors. They can be installed in all kinds of industrial environments thanks to ample functional reserve. Even reflective objects can be reliably recognized through the use of polarized light.

**Complementary Products**
- Dust Extraction Tube STAUBTUBUS-03
- PNP-NPN Converter BG2V1P-N-2M
- Reflector, Reflector Foil
- Set Protective Housing ZSN-NN-02
1 = Transmitter Diode
2 = Receiver Diode

Screw M4 = 1 Nm

All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl. Panel

05 = Switching Distance Adjuster
30 = Switching Status/Contamination Warning

Legend

1 = Supply Voltage +
2 = Supply Voltage -
3 = Supply Voltage (AC Voltage)
4 = Switching Output (NO)
5 = Switching Output (NC)
6 = Voltage Input
7 = Contamination/Lever Output (NO)
8 = Contamination/Lever Output (NC)
9 = Input (analog or digital)
10 = Analog Input
11 = Analog Output
12 = Grounding for the Analog Input
13 = Grounding for the Analog Output
14 = Block Discharge
15 = Voltage Output
16 = Valve Control Output 1
17 = Valve Control Output 2
18 = Valve Control Output +
19 = Valve Control Output -
20 = Valve Control Output 0 V
21 = SY - Switching Distance Reduction
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99 = SY - Switching Distance Reduction
100 = SY - Switching Distance Reduction
101 = SY - Switching Distance Reduction

Specifications are subject to change without notice.

Feasible reflector distance

<table>
<thead>
<tr>
<th>Reflector type, mounting distance</th>
<th>RQ100BA</th>
<th>0,08...11 m</th>
<th>RR25KP</th>
<th>0,08...2 m</th>
</tr>
</thead>
<tbody>
<tr>
<td>RQ18040BA</td>
<td>0,08...7 m</td>
<td>RR21_M</td>
<td>0,12...3,5 m</td>
<td></td>
</tr>
<tr>
<td>RE84BA</td>
<td>0,08...9 m</td>
<td>ZRME02B01</td>
<td>0,08...4,5 m</td>
<td></td>
</tr>
<tr>
<td>RR84BA</td>
<td>0,08...9 m</td>
<td>ZRME01B01</td>
<td>0,15...1,5 m</td>
<td></td>
</tr>
<tr>
<td>RE9538BA</td>
<td>0,12...4 m</td>
<td>ZRME03B01</td>
<td>0,2...4,8 m</td>
<td></td>
</tr>
<tr>
<td>RQ5151BM</td>
<td>0,1...8,5 m</td>
<td>ZRMR02K01</td>
<td>0,12...1,8 m</td>
<td></td>
</tr>
<tr>
<td>RR50_A</td>
<td>0,08...5,7 m</td>
<td>ZRMS02_01</td>
<td>0,12...2 m</td>
<td></td>
</tr>
<tr>
<td>RE6040BA</td>
<td>0,08...8 m</td>
<td>RF505</td>
<td>0,12...4,5 m</td>
<td></td>
</tr>
<tr>
<td>RE8222BA</td>
<td>0,08...4,9 m</td>
<td>RF508</td>
<td>0,12...4,5 m</td>
<td></td>
</tr>
<tr>
<td>RR34_M</td>
<td>0,12...4,7 m</td>
<td>RF256</td>
<td>0,12...3,5 m</td>
<td></td>
</tr>
<tr>
<td>RE3220BM</td>
<td>0,12...4 m</td>
<td>ZRF03K01</td>
<td>0,15...6,5 m</td>
<td></td>
</tr>
<tr>
<td>RE5210BM</td>
<td>0,15...3,4 m</td>
<td>ZRF10K01</td>
<td>0,15...7,5 m</td>
<td></td>
</tr>
<tr>
<td>RR25_M</td>
<td>0,12...3 m</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Z: Green/Yellow
O: Orange
V: Blue
H: Brown
R: Red
G: Grey
W: White
B: Black