

# R3 Series Retroreflective Sensors

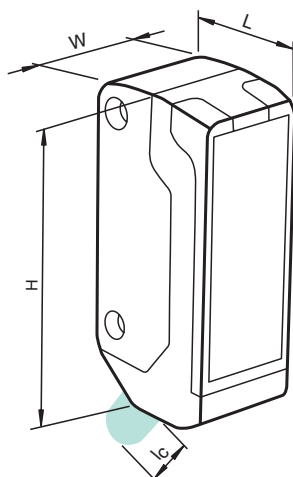


### Standard Technical Data

<b>Function principle</b>	Retroreflective sensor with polarization filter
<b>Voltage type</b>	DC
<b>Housing length L</b>	13.8 mm
<b>Housing width W</b>	7.5 mm
<b>Housing height H</b>	26 mm
<b>UL</b>	■

For detailed data and description, see the datasheet. Further products can be found online at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

Model number	Detection range [mm]	Light type	Output type	UB (min)	UB (max)	Connection type
OBR1000-R3-E0	1000	Red LED	NPN	10	30	Fixed cable
OBR1000-R3-E2	1000	Red LED	PNP	10	30	Fixed cable
OBR1000-R3-E2-0,2M-V3	1000	Red LED	PNP	10	30	Fixed cable with M8 plug
OBR1000-R3-E2-0,2M-V31	1000	Red LED	PNP	10	30	Fixed cable with M8 plug
OBR1000-R3-E3	1000	Red LED	PNP	10	30	Fixed cable
OBR1000-R3-E3-0,2M-V31	1000	Red LED	PNP	10	30	Fixed cable with M8 plug
OBR2000-R3-E0-L	2000	Red laser diode	NPN	12	24	Fixed cable
OBR2000-R3-E2-0,2M-V31-L	2000	Red laser diode	PNP	12	24	Fixed cable with M8 plug
OBR2000-R3-E2-L	2000	Red laser diode	PNP	12	24	Fixed cable



### Accessories

<b>MH-R3-01</b>	Mounting aid for sensors from the R3 series, mounting bracket
<b>MH-R3-02</b>	Mounting aid for sensors from the R3 series, mounting bracket
<b>MH-R3-03</b>	Mounting aid for sensors from the R3 series, mounting bracket
<b>MH-R3-04</b>	Mounting aid for sensors from the R3 series, mounting bracket
<b>REF-H40</b>	Rectangular reflector, 47.5 mm x 23.5 mm, mounting holes, retaining tab
<b>REF-MH23</b>	Rectangular reflector with microstructure, 23 mm x 13.8 mm, diagonal mounting hole
<b>V3-WM-2M-PUR</b>	Single-ended female cordset, M8, 3-pin, PUR cable
<b>V31-GM-2M-PUR</b>	Single-ended female cordset, M8, 4-pin, PUR cable
<b>V31-WM-2M-PUR</b>	Single-ended female cordset, M8, 4-pin, PUR cable