

R100 Series

Retroreflective Sensors



Standard Technical Data

Interface	IO-Link
Voltage type	DC
Operating voltage (min)	10 V
Operating voltage (max)	30 V
Housing length L	21.5 mm
Housing width W	11 mm
UL	■

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Function principle	Detection range [mm]	Light type	Operating elements	Output type	Connection type	Height H
OBG5000-R100-2EP-IO	For clear object detection	3500	Red LED	Potentiometer, push-button	2 x push-pull	Fixed cable	37.1
OBG5000-R100-2EP-IO-0,3M-V1	For clear object detection	3500	Red LED	Potentiometer, push-button	2 x push-pull	Fixed cable with M12 plug	37.1
OBG5000-R100-2EP-IO-0,3M-V31	For clear object detection	3500	Red LED	Potentiometer, push-button	2 x push-pull	Fixed cable with M8 plug	37.1
OBG5000-R100-2EP-IO-V31	For clear object detection	3500	Red LED	Potentiometer, push-button	2 x push-pull	M8 connector plug	44.5
OBG5000-R100-2EP1-IO	For clear object detection	3500	Red LED	Potentiometer, push-button	2 x push-pull	Fixed cable	37.1
OBG5000-R100-2EP1-IO-0,3M-V1	For clear object detection	3500	Red LED	Potentiometer, push-button	2 x push-pull	Fixed cable with M12 plug	37.1
OBG5000-R100-2EP1-IO-V31	For clear object detection	3500	Red LED	Potentiometer, push-button	2 x push-pull	M8 connector plug	44.5
OBG5000-R100-E5-IO-V3	For clear object detection	3500	Red LED	Potentiometer, push-button	PNP	M8 connector plug	44.5
OBG5000-R100-EP-IO-0,3M-V3	For clear object detection	3500	Red LED	Potentiometer, push-button	1 x push-pull	Fixed cable with M8 plug	37.1
OBG5000-R100-EP-IO-V3	For clear object detection	3500	Red LED	Potentiometer, push-button	1 x push-pull	M8 connector plug	44.5
OBR7500-R100-EP-IO-V3	With polarization filter	7500	Red LED	Potentiometer	1 x push-pull	M8 connector plug	44.5
OBR7000-R100-2EP-IO-1R-IR	Without polarization filter	7000	Infrared LED	Potentiometer	2 x push-pull	Fixed cable	37.1
OBR7000-R100-2EP-IO-V31-1R-IR	Without polarization filter	7000	Infrared LED	Potentiometer	2 x push-pull	M8 connector plug	44.5
OBR7000-R100-2EP1-IO-V31-1R-IR	Without polarization filter	7000	Infrared LED	Potentiometer	2 x push-pull	M8 connector plug	44.5
OBR7500-R100-2EP-IO	With polarization filter	7500	Red LED	Potentiometer	2 x push-pull	Fixed cable	37.1
OBR7500-R100-2EP-IO-0,3M-V1	With polarization filter	7500	Red LED	Potentiometer	2 x push-pull	Fixed cable with M12 plug	37.1
OBR7500-R100-2EP-IO-0,3M-V31	With polarization filter	7500	Red LED	Potentiometer	2 x push-pull	Fixed cable with M8 plug	37.1
OBR7500-R100-2EP-IO-V31	With polarization filter	7500	Red LED	Potentiometer	2 x push-pull	M8 connector plug	44.5
OBR7500-R100-2EP1-IO	With polarization filter	7500	Red LED	Potentiometer	2 x push-pull	Fixed cable	37.1
OBR7500-R100-2EP1-IO-0,3M-V1	With polarization filter	7500	Red LED	Potentiometer	2 x push-pull	Fixed cable with M12 plug	37.1
OBR7500-R100-2EP1-IO-0,3M-V31	With polarization filter	7500	Red LED	Potentiometer	2 x push-pull	Fixed cable with M8 plug	37.1
OBR7500-R100-2EP1-IO-V31	With polarization filter	7500	Red LED	Potentiometer	2 x push-pull	M8 connector plug	44.5
OBR7500-R100-E2-IO-V31	With polarization filter	7500	Red LED	Potentiometer	PNP	M8 connector plug	44.5
OBR7500-R100-EP-IO-0,3M-V3	With polarization filter	7500	Red LED	Potentiometer	1 x push-pull	Fixed cable with M8 plug	37.1
OBR10M-R100-2EP-IO-1R-IR	Without polarization filter	10000	Infrared LED	Potentiometer	2 x push-pull	Fixed cable	37.1
OBR10M-R100-2EP-IO-V31-1R-IR	Without polarization filter	10000	Infrared LED	Potentiometer	2 x push-pull	M8 connector plug	44.5
OBR12M-R100-2EP-IO-0,3M-V1-L	With polarization filter	12000	Red laser diode	Potentiometer	2 x push-pull	Fixed cable with M12 plug	37.1
OBR12M-R100-2EP-IO-0,3M-V31-L	With polarization filter	12000	Red laser diode	Potentiometer	2 x push-pull	Fixed cable with M8 plug	37.1
OBR12M-R100-2EP-IO-L	With polarization filter	12000	Red laser diode	Potentiometer	2 x push-pull	Fixed cable	37.1
OBR12M-R100-2EP-IO-V31-L	With polarization filter	12000	Red laser diode	Potentiometer	2 x push-pull	M8 connector plug	44.5
OBR12M-R100-EP-IO-0,3M-V3-L	With polarization filter	12000	Red laser diode	Potentiometer	1 x push-pull	Fixed cable with M8 plug	37.1
OBR12M-R100-EP-IO-V3-L	With polarization filter	12000	Red laser diode	Potentiometer	1 x push-pull	M8 connector plug	44.5