

R101 Series

Retroreflective Sensors

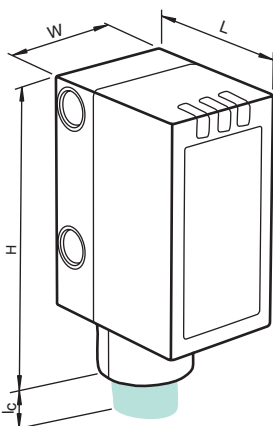


Standard Technical Data

Voltage type	DC
Operating voltage (min)	10 V
Operating voltage (max)	30 V
Housing length L	18.3 mm
Housing width W	13.9 mm
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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	Interface	Operating elements	Output type	Connection type	Height H
OBG5000-R101-2EP-IO	For clear object detection	3500	Red LED	IO-Link	Potentiometer, push-button	2 x push-pull	Fixed cable	33.8
OBG5000-R101-2EP-IO-0,3M-V1	For clear object detection	3500	Red LED	IO-Link	Potentiometer, push-button	2 x push-pull	Fixed cable with M12 plug	33.8
OBG5000-R101-2EP-IO-0,3M-V31	For clear object detection	3500	Red LED	IO-Link	Potentiometer, push-button	2 x push-pull	Fixed cable with M8 plug	33.8
OBG5000-R101-2EP-IO-V31	For clear object detection	3500	Red LED	IO-Link	Potentiometer, push-button	2 x push-pull	M8 connector plug	41.4
OBG5000-R101-2EP1-IO	For clear object detection	3500	Red LED	IO-Link	Potentiometer, push-button	2 x push-pull	Fixed cable	33.8
OBG5000-R101-2EP1-IO-V31	For clear object detection	3500	Red LED	IO-Link	Potentiometer, push-button	2 x push-pull	M8 connector plug	41.4
OBG5000-R101-2P1-IO	With polarization filter	5000	Red LED	IO-Link		2 x push-pull	Fixed cable	31.9
OBG5000-R101-2P1-IO-V31	With polarization filter	5000	Red LED	IO-Link		2 x push-pull	M8 connector plug	39.5
OBG5000-R101-EP-IO-0,3M-V3	For clear object detection	3500	Red LED	IO-Link	Potentiometer, push-button	1 x push-pull	Fixed cable with M8 plug	33.8
OBG5000-R101-EP-IO-V3	For clear object detection	3500	Red LED	IO-Link	Potentiometer, push-button	1 x push-pull	M8 connector plug	41.4
OBR7000-R101-2EP-IO-1R-IR	Without polarization filter	7000	Infrared LED	IO-Link	Potentiometer	2 x push-pull	Fixed cable	33.8
OBR7000-R101-2EP-IO-V31-1R-IR	Without polarization filter	7000	Infrared LED	IO-Link	Potentiometer	2 x push-pull	M8 connector plug	41.4
OBR7500-R101-2EP-IO	With polarization filter	7500	Red LED	IO-Link	Potentiometer	2 x push-pull	Fixed cable	33.8
OBR7500-R101-2EP-IO-0,3M-V1	With polarization filter	7500	Red LED	IO-Link	Potentiometer	2 x push-pull	Fixed cable with M12 plug	33.8
OBR7500-R101-2EP-IO-0,3M-V31	With polarization filter	7500	Red LED	IO-Link	Potentiometer	2 x push-pull	Fixed cable with M8 plug	33.8
OBR7500-R101-2EP-IO-V31	With polarization filter	7500	Red LED	IO-Link	Potentiometer	2 x push-pull	M8 connector plug	41.4
OBR7500-R101-E5-0,3M-V1	With polarization filter	7500	Red LED		Potentiometer	PNP	Fixed cable with M12 plug	33.8
OBR7500-R101-EP-IO-0,3M-V3	With polarization filter	7500	Red LED	IO-Link	Potentiometer	1 x push-pull	Fixed cable with M8 plug	33.8
OBR7500-R101-EP-IO-V3	With polarization filter	7500	Red LED	IO-Link	Potentiometer	1 x push-pull	M8 connector plug	41.4
OBR7500-R101-P1-Y0447	With polarization filter	7500	Red LED			1 x push-pull	M8 connector plug	39.5
OBR10M-R101-2EP-IO-1R-IR	Without polarization filter	10000	Infrared LED	IO-Link	Potentiometer	2 x push-pull	Fixed cable	33.8
OBR10M-R101-2EP-IO-V31-1R-IR	Without polarization filter	10000	Infrared LED	IO-Link	Potentiometer	2 x push-pull	M8 connector plug	41.4
OBR12M-R101-2EP-IO-0,3M-V1-L	With polarization filter	12000	Red laser diode	IO-Link	Potentiometer	2 x push-pull	Fixed cable with M12 plug	33.8
OBR12M-R101-2EP-IO-0,3M-V31-L	With polarization filter	12000	Red laser diode	IO-Link	Potentiometer	2 x push-pull	M8 connector plug	41.4
OBR12M-R101-2EP-IO-L	With polarization filter	12000	Red laser diode	IO-Link	Potentiometer	2 x push-pull	Fixed cable	33.8
OBR12M-R101-2EP-IO-V31-L	With polarization filter	12000	Red laser diode	IO-Link	Potentiometer	2 x push-pull	M8 connector plug	41.4
OBR12M-R101-EP-IO-0,3M-V3-L	With polarization filter	12000	Red laser diode	IO-Link	Potentiometer	1 x push-pull	Fixed cable with M8 plug	33.8
OBR12M-R101-EP-IO-V3-L	With polarization filter	12000	Red laser diode	IO-Link	Potentiometer	1 x push-pull	M8 connector plug	41.4



Accessories

OFR-100/100	Optical reflective film, 100 mm x 100 mm
OMH-4.1	Mounting clamp
OMH-R101	Mounting clamp
OMH-R101-Front	Mounting clamp
REF-H32G-2	Reflector
REF-H33	Reflector with screw fixing
REF-H50	Rectangular reflector, 51 mm x 61 mm, mounting holes
REF-H85-2	Rectangular reflector, 84.5 mm x 84.5 mm
REF-MVR10	Rectangular reflector with microstructure, 60 mm x 19 mm
REF-ORR50G-2	Reflector