

R3 Series

Diffuse Mode Sensors



Standard Technical Data

Voltage type	DC
Housing length L	13.8 mm
Housing width W	7.5 mm
Housing height H	26 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	Output type	UB (min)	UB (max)	Connection type
OBT15-R3-E0	With background suppression	15	Red LED	NPN	10	30	Fixed cable
OBT15-R3-E0-1T	With background evaluation	15	Red LED	NPN	10	30	Fixed cable
OBT15-R3-E0-L	With background suppression	15	Red laser diode	NPN	12	24	Fixed cable
OBT15-R3-E2	With background suppression	15	Red LED	PNP	10	30	Fixed cable
OBT15-R3-E2-0,2M-V3	With background suppression	15	Red LED	PNP	10	30	Fixed cable with M8 plug
OBT15-R3-E2-0,2M-V31	With background suppression	15	Red LED	PNP	10	30	Fixed cable with M8 plug
OBT15-R3-E2-0,2M-V31-L	With background suppression	15	Red laser diode	PNP	12	24	Fixed cable with M8 plug
OBT15-R3-E2-1T	With background evaluation	15	Red LED	PNP	10	30	Fixed cable
OBT15-R3-E2-L	With background suppression	15	Red laser diode	PNP	12	24	Fixed cable
OBT30-R3-E0	With background suppression	30	Red LED	NPN	10	30	Fixed cable
OBT30-R3-E0-1T	With background evaluation	30	Red LED	NPN	10	30	Fixed cable
OBT30-R3-E0-L	With background suppression	30	Red laser diode	NPN	12	24	Fixed cable
OBT30-R3-E2	With background suppression	30	Red LED	PNP	10	30	Fixed cable
OBT30-R3-E2-0,2M-V3	With background suppression	30	Red LED	PNP	10	30	Fixed cable with M8 plug
OBT30-R3-E2-0,2M-V31	With background suppression	30	Red LED	PNP	10	30	Fixed cable with M8 plug
OBT30-R3-E2-0,2M-V31-L	With background suppression	30	Red laser diode	PNP	12	24	Fixed cable with M8 plug
OBT30-R3-E2-1T	With background evaluation	30	Red LED	PNP	10	30	Fixed cable
OBT30-R3-E2-2,5M-V3-L	With background suppression	30	Red laser diode	PNP	12	24	Fixed cable with M8 plug
OBT30-R3-E2-5M	With background suppression	30	Red LED	PNP	10	30	Fixed cable
OBT30-R3-E2-L	With background suppression	30	Red laser diode	PNP	12	24	Fixed cable
OBT50-R3-E0	With background suppression	50	Red LED	NPN	10	30	Fixed cable
OBT50-R3-E0-1T	With background evaluation	50	Red LED	NPN	10	30	Fixed cable
OBT50-R3-E0-L	With background suppression	50	Red laser diode	NPN	12	24	Fixed cable
OBT50-R3-E2	With background suppression	50	Red LED	PNP	10	30	Fixed cable
OBT50-R3-E2-0,2M-V3	With background suppression	50	Red LED	PNP	10	30	Fixed cable with M8 plug
OBT50-R3-E2-0,2M-V31	With background suppression	50	Red LED	PNP	10	30	Fixed cable with M8 plug
OBT50-R3-E2-0,2M-V31-L	With background suppression	50	Red laser diode	PNP	12	24	Fixed cable with M8 plug
OBT50-R3-E2-1T	With background evaluation	50	Red LED	PNP	10	30	Fixed cable
OBT50-R3-E2-3M	With background suppression	50	Red LED	PNP	10	30	Fixed cable
OBT50-R3-E2-5M	With background suppression	50	Red LED	PNP	10	30	Fixed cable
OBT50-R3-E2-L	With background suppression	50	Red laser diode	PNP	12	24	Fixed cable
OBT80-R3-E0	With background suppression	80	Red LED	NPN	10	30	Fixed cable
OBT80-R3-E0-L	With background suppression	80	Red laser diode	NPN	12	24	Fixed cable
OBT80-R3-E2	With background suppression	80	Red LED	PNP	10	30	Fixed cable
OBT80-R3-E2-0,2M-V3	With background suppression	80	Red LED	PNP	10	30	Fixed cable with M8 plug
OBT80-R3-E2-0,2M-V31	With background suppression	80	Red LED	PNP	10	30	Fixed cable with M8 plug
OBT80-R3-E2-0,2M-V31-L	With background suppression	80	Red laser diode	PNP	12	24	Fixed cable with M8 plug
OBT80-R3-E2-L	With background suppression	80	Red laser diode	PNP	12	24	Fixed cable
OBT80-R3-E3-0,2M-V31	With background suppression	80	Red LED	PNP	10	30	Fixed cable with M8 plug