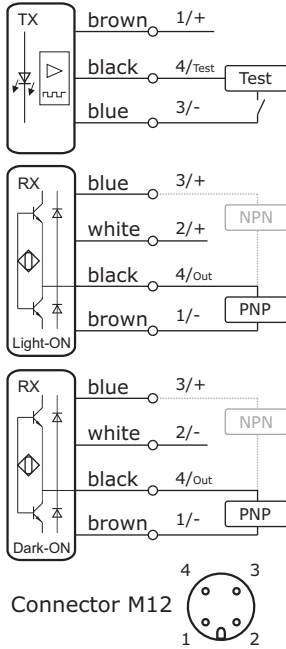


### Output Schematics



Not to be used for Safety Applications

M18x1

M18x1

M18x1

M18x1

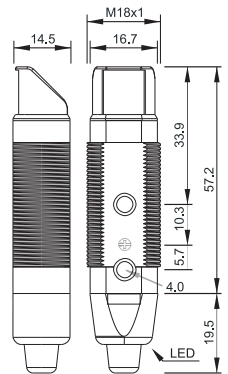
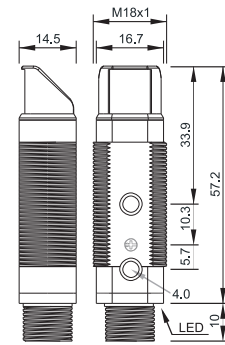
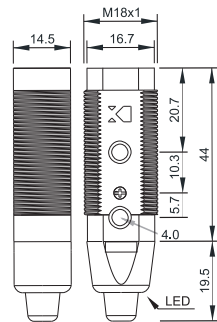
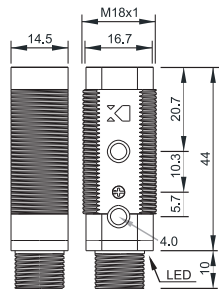


400 mm

400 mm

320 mm

320 mm



### SPECIFICATIONS

	Diffuse Reflective	Diffuse Reflective	Diffuse Reflective	Diffuse Reflective
Operating Distance	0... 400 mm	0... 400 mm	0... 320 mm	0... 320 mm
Output Function	NO   NC	NO   NC	NO   NC	NO   NC
Operating Voltage	10... 30 VDC, 3-wire	10... 30 VDC, 3-wire	10... 30 VDC, 3-wire	10... 30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 30 mA	< 30 mA	< 30 mA	< 30 mA
Current Load Capability	100 mA, self-resetting	100 mA, self-resetting	100 mA, self-resetting	100 mA, self-resetting
Short Circuit Protection	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting
Voltage Drop	< 2 V @ 100 mA	< 2 V @ 100 mA	< 2 V @ 100 mA	< 2 V @ 100 mA
Switching Frequency	1000 Hz	1000 Hz	1000 Hz	1000 Hz
Response Time	< 1 ms	< 1 ms	< 1 ms	< 1 ms
Hysteresis	~13%	~13%	~13%	~13%
Operating Temperature	-25... 55 °C	-25... 55 °C	-25... 55 °C	-25... 55 °C
Ambient Light Immunity	10.000 lux	10.000 lux	10.000 lux	10.000 lux
Protection Class	IP67	IP67	IP67	IP67
Housing Material	Chromed Brass	Chromed Brass	Chromed Brass	Chromed Brass
Connection	Connector M12, 4-pole	2m, PVC	Connector M12, 4-pole	2m, PVC
Output Indicator	Integrated	Integrated	Integrated	Integrated

### Article Code

PNP, NO + NC	OD18FA-D04PSB/M12	OD18FA-D04PSB/A2P	OD18FR-D03PSB/M12	OD18FR-D03PSB/A2P
NPN, NO + NC	OD18FA-D04NSB/M12	OD18FA-D04NSB/A2P	OD18FR-D03NSB/M12	OD18FR-D03NSB/A2P
Transmitter				