

Photo switches transmit a beam which is reflected back from a detected object (diffused) or from a reflector (retro-reflective) or can be used with a separate transmitter and receiver (through beam) typically used for longer distance sensing.

type	supply voltage	diffused	retro-reflective	polarised retro	through-beam	sensing distance (mm)	NPN	PNP	NO	NC	connector
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Q50 - Compact cubic 50 x 50 mm universal photoelectric sensor

- Universal photoelectric sensor, excellent performance and high versatility
- Totally protected against electrical damage
- Sensitivity: Adjustable
- Dimensions: 50 x 50 x 17 mm
- Protection degree: IP67 (EN60529)

DC supply 10...30 VDC

- Revolving M12 (4 pin) connector (for rear or bottom cable entry)

Diffuse reflection *proximity type detection (no transmitter or reflector required)*

Q50I8/B0-0E	10 - 30 VDC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3 - 2 m	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M12 plug
Q50IS/B0-0E*	10 - 30 VDC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120...500	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M12 plug

* With adjustable background suppression

Retro-reflective - (polarised) *used together with a reflector*

Q50RN/B0-0E	10-30 VDC	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.2 - 6 m	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M12 plug
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Through beam (receiver) *requires a transmitter and receiver*

Q50ID/B0-0E	10 - 30 VDC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	20 meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M12 plug
Q50IH/00-0E	10 - 30 VDC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	20 meter	emitter		<input type="checkbox"/>	<input type="checkbox"/>	M12 plug

Multi-voltage supply 12...240 VDC / 24...240 VAC

- Relay - SPDT output (3A 240 VAC)

Diffuse reflection *proximity type detection (no transmitter or reflector required)*

Q50I8/0T-0A	multi-voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0.3 - 2 m	SPDT		<input type="checkbox"/>	<input type="checkbox"/>	cable
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Retro-reflective - (polarised) *used together with a reflector*

Q50RN/0T-0A	multi-voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.3 - 6 m	SPDT		<input type="checkbox"/>	<input type="checkbox"/>	cable
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Through beam (receiver) *requires a transmitter and receiver*

Q50ID/0T-0A	multi-voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	20 meter	SPDT		<input type="checkbox"/>	<input type="checkbox"/>	cable
Q50IH/0T-0A	multi-voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	20 meter	emitter		<input type="checkbox"/>	<input type="checkbox"/>	cable

RX series (rectangular) 20 - 60 VDC / 20 - 253 VAC IP65 (EN60529)

- Sensitivity: Adjustable
- Connector: M12 (4pin) plug
- AC/DC supply: 20 - 60 VDC / 20 - 253 VAC
- Relay output: Selectable NO or NC
- LED indication: Output state, alignment, stable signal
- Supply protection: Transient (AC), over voltage (DC), short circuit
- Dimensions: (H) 61 x (W) 26 x (D) 92 mm

Diffuse reflection *proximity type detection (no transmitter or reflector required)*

RX8/00-3B	multi-voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2 meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M12 plug
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Retro-reflective *used together with a reflector*

RXC/00-3B	multi-voltage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12 meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M12 plug
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Retro-reflective (polarised) *used together with a reflector*

RXP/00-3B	multi-voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6 meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M12 plug
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Through beam (receiver) *requires a transmitter and receiver*

RXR/00-3B	multi-voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	32 meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M12 plug
RXE/00-3B	multi-voltage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	32 meter	emitter		<input type="checkbox"/>	<input type="checkbox"/>	M12 plug

Mounting accessories (see page K-8) Cables and M8/12 connectors (see page K-27 / 28)

Note: Reflectors sold separately, see page K-8



Q50I8/B0-0E



Q50RN/0T-0A



RX8/00-3B



RXC/00-3B