

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	max. sensing distance (mm)	PNP	NPN	light-on	dark-on	connector	
Photoelectric sensors		(11	(IP66) (EN60529)					2 m				
NX5 series (rectangular) multi-voltage												
Multi-voltage: 24 - 240 VAC / 12 - 240 VDC												
Sensitivity: Continuously adjustable												
Relay output: 1A 250 VAC (hermetically sealed)												



Diffuse reflective

LED indication:Dimensions:

proximity type detection (no transmitter or reflector required)

 NX5-D700A
 24 - 240 VAC/DC
 •
 700
 •
 cable

 NX5-D700B
 24 - 240 VAC/DC
 •
 700
 •
 cable

Red: (power ON) Green: (stable light received)

Retro-reflective used together with a reflector (includes RF-230)

Sensor transmits a beam which is reflected back by a reflector

62 x 18 x 35 mm

 NX5-RM7A
 24 - 240 VAC/DC
 •
 7 met
 •
 cable

 NX5-RM7B
 24 - 240 VAC/DC
 •
 7 met
 •
 cable

Retro-reflective (polarised) used together with a reflector (includes RF-230)

Transmitted beam is only received by reflector (unaffected by reflection from shiny surfaces)

 NX5-PRVM5A
 24 - 240 VAC/DC
 •
 5 met
 •
 cable

 NX5-PRVM5B
 24 - 240 VAC/DC
 •
 5 met
 •
 cable

Thru-beam supplied as a set with transmitter and receiver Detects objects breaking the beam between the transmitter and the receiver

NX5-M10RA 24 - 240 VAC/DC 10 met cable NX5-M10RB 24 - 240 VAC/DC • 10 met cable NX5-M30A 24 - 240 VAC/DC 30 met cable • NX5-M30B 24 - 240 VAC/DC 30 met cable

Accessories for above NX5 photo switches

Mounting brackets

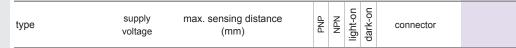
MSNX51 metallic right angled foot mounting bracket for NX5 retro-reflective sensors
MSNX53 metallic right angled rear mounting bracket for NX5 retro-reflective sensors

Reflectors for retro-reflective sensors

RF-230 standard reflector 59 x 50.3 mm for retro-reflective sensors

Fibre-optic sensors

Fibre-optic amplifiers transmit and receive signal via an attached fibre-optic cable with an optic sensor on the end. The fibre sensor determines the type of sensing as well as the distance it can sense. Totally unaffected by any source of electrical noise.





FX series - Fibre-optic amplifiers

Mounting: DIN rail mounting or side mounting with 3.2 mm screws
 Sensitivity setting: 2-point teaching / limit teaching / Full-auto teaching
 Timer function: ON-delay, OFF-delay, no timer (selectable) 1 - 1000 ms
 LED indication: Orange LED when output is ON / Red and Green 4 digit display

Connection:

M8 4 pin connector (supplied separately)

Connection: M8 - 4-pin connector (supplied separately)

• Dimensions: 32 x 9 x 66.4 mm

FX102P-Z 12 - 24 VDC dependant on fibre used • • • M8 plug

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