

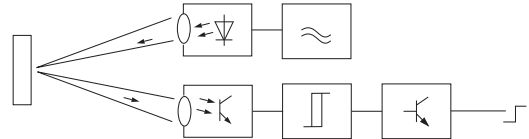
Photoelectrical sensor

**5** YEAR WARRANTY \*for industrial usage, 3 years warranty

Photoelectrical sensors of the Gxx series are all-purpose switches used in machine systems and equipment for no contact surveillance of motion of elements. They are based on the photoelectric principle of operation – inside the sensor there is a photo signal emitter and receiver of the returned signal. There are three types of sensors: diffuse sensors, reflector sensors and emitter-receiver sensors. These types of sensors differ in the way of returning the signal. They allow for gearing distance adjustment. They are developed on the base of PNP and NPN transition. They have small dimensions and feature a metal cylindrical shell resistant to vibrations and a plastic lid which is oil and water resistant.

**Technical features:**

- Insulating resistance:  $\geq 50\text{ M}\Omega$
- Gearing distance: from 2 mm to 7 mm
- Precision of repetition: 0.01
- Ambient temperature:  $-25^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$
- Gearing speed: 5mm/s
- Rated voltage: 6~36VDC; 90~230VAC
- IP code: IP 67



EL-G12



EL-G18



EL-G30



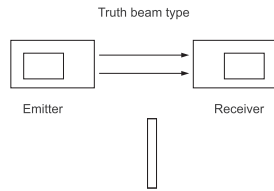
EL-G35



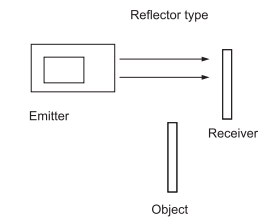
EL-G50



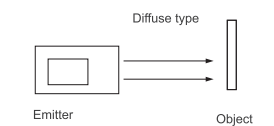
EL-BZJ



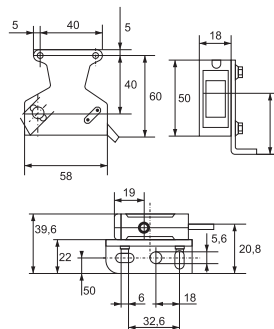
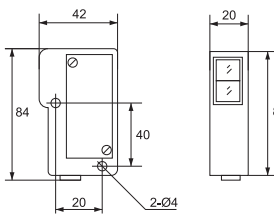
Truth beam type



Reflector type



Diffuse type



Type	Start distance	Power supply voltage	Type of transition	Type of contact	Type of sensor	Packing / Box (pcs)	Catalogue number
EL-G12-3A07NA	70 mm	15~30 VDC	NPN	Ø12; I=50	Diffuse	1 / 100	<b>46G12A071</b>
EL-G12-3A07PA	70 mm	15~30 VDC	PNP	Ø12; I=50	Diffuse	1 / 100	<b>46G12A072</b>
EL-G12-3B1NA	1 m	15~30 VDC	NPN	Ø12; I=50	Reflector	1 / 100	<b>46G123B11</b>
EL-G12-3B1PA	1 m	15~30 VDC	PNP	Ø12; I=50	Reflector	1 / 100	<b>46G123B12</b>
EL-G12-3C3NA	3 m	15~30 VDC	NPN	Ø12; I=50	Truth beam	1 / 100	<b>46G123C11</b>
EL-G12-3C3PA	3 m	15~30 VDC	PNP	Ø12; I=50	Truth beam	1 / 100	<b>46G123C12</b>
EL-G18-3A10NA	100 mm	15~30 VDC	NPN	Ø18; I=70	Diffuse	1 / 100	<b>46G18A101</b>
EL-G18-3A10PA	100 mm	15~30 VDC	PNP	Ø18; I=70	Diffuse	1 / 100	<b>46G18A102</b>
EL-G18-3B2NA	2 m	15~30 VDC	NPN	Ø18; I=70	Reflector	1 / 100	<b>46G183B11</b>
EL-G18-3B2PA	2 m	15~30 VDC	PNP	Ø18; I=70	Reflector	1 / 100	<b>46G183B12</b>
EL-G18-3C5NA	5 m	15~30 VDC	NPN	Ø18; I=70	Truth beam	1 / 100	<b>46G185C11</b>
EL-G18-3C5PA	5 m	15~30 VDC	PNP	Ø18; I=70	Truth beam	1 / 100	<b>46G185C12</b>
EL-G30-3A70NA	500 mm	15~30 VDC	NPN	Ø22; I=70	Diffuse	1 / 100	<b>46G30A101</b>
EL-G30-3A70PA	500 mm	15~30 VDC	PNP	Ø22; I=70	Diffuse	1 / 100	<b>46G30A102</b>
EL-G30-3B3NA	3 m	15~30 VDC	NPN	Ø22; I=70	Reflector	1 / 100	<b>46G303B11</b>
EL-G30-3B3PA	3 m	15~30 VDC	PNP	Ø22; I=70	Reflector	1 / 100	<b>46G303B12</b>
EL-G30-3C101NA	10 m	15~30 VDC	NPN	Ø22; I=70	Truth beam	1 / 52	<b>46G305C11</b>
EL-G30-3C101PA	10 m	15~30 VDC	PNP	Ø22; I=70	Truth beam	1 / 52	<b>46G305C12</b>
EL-G35-3A50NA	500 mm	15~30 VDC	NPN	NO	Diffuse	1 / 100	<b>46G35A101</b>
EL-G35-3A50PA	500 mm	15~30 VDC	PNP	NO	Diffuse	1 / 100	<b>46G35A102</b>
EL-G35-3B3NA	3 m	15~30 VDC	NPN	NO	Reflector	1 / 100	<b>46G353B11</b>
EL-G35-3B3PA	3 m	15~30 VDC	PNP	NO	Reflector	1 / 100	<b>46G353B12</b>
EL-G35-3C5NA	5 m	15~30 VDC	NPN	NO	Truth beam	1 / 50	<b>46G355C11</b>
EL-G35-3C5PA	5 m	15~30 VDC	PNP	NO	Truth beam	1 / 50	<b>46G355C12</b>
EL-G50-3A30NA	500 mm	15~30 VDC	NPN	NO	Diffuse	1 / 100	<b>46G50A101</b>
EL-G50-3A30PA	500 mm	15~30 VDC	PNP	NO	Diffuse	1 / 100	<b>46G50A102</b>
EL-G50-3B4NA	4 m	15~30 VDC	NPN	NO	Reflector	1 / 100	<b>46G503B11</b>
EL-G50-3B4PA	4 m	15~30 VDC	PNP	NO	Reflector	1 / 100	<b>46G503B12</b>
EL-G50-3C5NA	5 m	15~30 VDC	NPN	NO	Truth beam	1 / 50	<b>46G505C11</b>
EL-G50-3C5PA	5 m	15~30 VDC	PNP	NO	Truth beam	1 / 50	<b>46G505C12</b>
EL-BZJ-211	10 mm	15~30 VDC	Reflector	NO	Colour detector	1 / 50	<b>46BZJ211</b>
EL-BZJ-311	9mm	15~30 VDC	Reflector	NO	Colour detector	1 / 50	<b>46BZJ311</b>
EL-BZJ-411	9mm	15~30 VDC	Reflector	NO	Colour detector	1 / 50	<b>46BZJ411</b>