

Retroreflective Models

- Sensing distance of 10 m, with polarized light to detect shiny objects.
- Operation stability monitored by the stability indicator.

Distance-setting Models

- Distance-setting models with a long 2-m sensing distance incorporate a teaching function.
- Set sensing area (zone setting) function allows detection of shiny objects with uneven surface.

Common Features

- Meets IEC IP67 requirements, thus resisting water.
- E3G has an M12 rotary connector which ensures easy maintenance.



Ordering Information

Sensors

MSR: Mirror Surface Reflection

: Red light

: Infrared light

Sensing method	Appearance	Connection method	Sensing distance	Timer function (see note 4)	Model	
					NPN/PNP selector (see note 2)	Relay output (see note 3)
Retroreflective (with MSR function)		Pre-wired	10 m (500 mm) 	---	E3G-R13	---
		Connector			E3G-R17	
		Terminal block			---	E3G-MR19 E3G-MR19T
Distance-setting		Pre-wired	White paper (300 x 300 mm) 0.2 to 2 m 	---	E3G-L73	---
		Connector			E3G-L77	
		Terminal block			---	E3G-ML79 E3G-ML79T

- Note:**
1. Figures in parentheses indicate the minimum required distances between the Sensors and Reflectors.
 2. Specify the retroreflective model with or without Reflector by adding the suffix code to the model number as shown below. (e.g., E3G-R13-G)

Suffix code	E39-R2 Reflector (retroreflective model)
None	Provided
-G	Not provided (order separately)

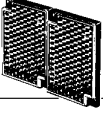

3. Specify the conduit of the relay output model and Reflector by adding the suffix code to the model number as shown below. (e.g., E3G-MR19-G, E3G-ML79-US)

Suffix code	Conduit	E39-R2 Reflector (retroreflective model)
None	PF ¹ / ₂ (JIS)	Provided
-G	PG13.5 (CENELEC)	Not provided (order separately)
-US	1/2-14NPT	Provided

4. For ON- and OFF-delay timers, Td1 and Td2 are independently variable.


Accessories (Order Separately)

Reflectors

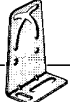

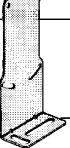
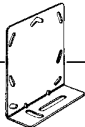
Shape	Sensing distance (typical)	Model	Minimum order	Remarks
	10 m (500 mm) (see note)	E39-R2	1	Provided with E3G-R□□, E3G-MR□□ and E3G-MR□□-US
	6 m (100 mm) (see note)	E39-R1	1	---

Note: Figures in parentheses indicate the minimum required distance between the Sensors and Reflectors.



Terminal Protection Cover for Side-pullout Cable

Shape	Model	Minimum order	Conduit	Applicable model	Remarks
	E39-L129	1	PF 1/2 (JIS)	E3G-MR19 (T) E3G-ML79 (T)	Provided with rubber bushing and cap for pullout prevention in vertical direction
	E39-L129-G		PG 13.5 (CENELEC)	E3G-MR19 (T)-G E3G-ML79 (T)-G	

Mounting Brackets

Shape	Model	Minimum order	Applicable model	Remarks
	E39-L131	1	E3G-R1□ E3G-L7□	---
		E39-L132		1
	E39-L135	1	E3G-MR19 (T) E3G-ML79 (T)	Cable pulled out in the downward direction
		E39-L136		1

Sensor I/O Connectors

Cord	Shape	Cable type		Model
Standard	Straight 	2 m	Three-wire type	XS2F-D421-DC0-A
		5 m		XS2F-D421-GC0-A
	L-shaped 	2 m		XS2F-D422-DC0-A
		5 m		XS2F-D422-GC0-A

Note: Refer to the *Sensor I/O Connectors Catalog (X065)* for details.