

# E3JK-E3Z

Built-in power supply photoelectric sensor

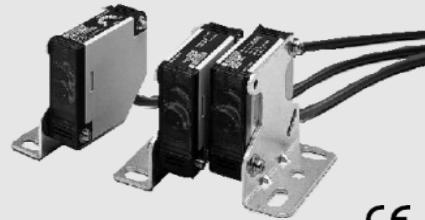
## E3JK

**BERME**

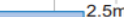
*Wide range voltage  
power supply*

Pre-wired type/E3JK

- Slim body full of functions and economically available



CE

| Sensor type                                  | Shape                                                                               | Connection method | Sensing distance                                                                               | Output form                                     | Output                                                                            | Model                                                                                        |                               |
|----------------------------------------------|-------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------|
| Through-beam                                 |    | Pre-wired models  |  5m           | Light ON                                        | Relay output                                                                      | E3JK-5M1                                                                                     |                               |
|                                              |                                                                                     |                   |                                                                                                | Dark ON                                         |                                                                                   | E3JK-5M2                                                                                     |                               |
| Retroreflective model (with M.S.R. function) |    |                   |  2.5m<br>(3m) | Light ON/ Dark ON (selectable)                  | DC transistor output                                                              | NPN: E3JK-5S3                                                                                |                               |
|                                              |                                                                                     |                   |                                                                                                | Light ON                                        |                                                                                   | Relay output                                                                                 | E3JK-R2M1                     |
|                                              |                                                                                     |                   |                                                                                                | Dark ON                                         | E3JK-R2M2                                                                         |                                                                                              |                               |
|                                              |                                                                                     |                   |                                                                                                | Retroreflective model (without M.S.R. function) |  |  4m<br>(5m) | Light ON/Dark ON (selectable) |
| Relay output                                 | PNP                                                                                 |                   | E3JK-R2R3                                                                                      |                                                 |                                                                                   |                                                                                              |                               |
|                                              | Light ON                                                                            |                   | Relay output                                                                                   |                                                 |                                                                                   |                                                                                              | E3JK-R4M1                     |
| Dark ON                                      | E3JK-R4M2                                                                           |                   |                                                                                                |                                                 |                                                                                   |                                                                                              |                               |
| Diffuse-reflective                           |  |                   |  300mm      | Light ON/Dark ON (selectable)                   | DC transistor output (NPN)                                                        | E3JK-R4S3                                                                                    |                               |
|                                              |                                                                                     |                   |                                                                                                | Light ON                                        | Relay output                                                                      | E3JK-DS30M1                                                                                  |                               |
|                                              |                                                                                     | Dark ON           |                                                                                                | E3JK-DS30M2                                     |                                                                                   |                                                                                              |                               |
|                                              |                                                                                     |                   |                                                                                                |                                                 |                                                                                   |                                                                                              |                               |

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| Sensor type           |                  | Through-beam                                                                                     |                                                                              | Retroreflective model (with M.S.R. function)                                          |                                                                             | Retroreflective model (without M.S.R. function)                                       |                                                                              | Diffuse-reflective                                                                    |                                                                              |
|-----------------------|------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Item                  | Model            | E3JK-5M#                                                                                         | E3JK-5S3                                                                     | E3JK-R2M#                                                                             | E3JK-R2#3                                                                   | E3JK-R4M#                                                                             | E3JK-R4S3                                                                    | E3JK-DS30M#                                                                           | E3JK-DS30S3                                                                  |
| Shock resistance      | De-struction     | Destruction: 500 m/s <sup>2</sup> for 3 times each in X, Y, and Z directions                     |                                                                              |                                                                                       |                                                                             |                                                                                       |                                                                              |                                                                                       |                                                                              |
|                       | Mal-function     | Destruction: 100m/s <sup>2</sup> (approx. 10G) 3 times each in X, Y, and Z directions            | Destruction: 500 m/s <sup>2</sup> for 3 times each in X, Y, and Z directions | Destruction: 100m/s <sup>2</sup> (approx. 10G) 3 times each in X, Y, and Z directions | Destruction: 500 m/s <sup>2</sup> for 3 times each in X, Y and Z directions | Destruction: 100m/s <sup>2</sup> (approx. 10G) 3 times each in X, Y, and Z directions | Destruction: 500 m/s <sup>2</sup> for 3 times each in X, Y, and Z directions | Destruction: 100m/s <sup>2</sup> (approx. 10G) 3 times each in X, Y, and Z directions | Destruction: 500 m/s <sup>2</sup> for 3 times each in X, Y, and Z directions |
| Protective structure  |                  | IEC60529 IP64                                                                                    |                                                                              |                                                                                       |                                                                             |                                                                                       |                                                                              |                                                                                       |                                                                              |
| Connection method     |                  | Pre-wired models (standard length: 2 m)                                                          |                                                                              |                                                                                       |                                                                             |                                                                                       |                                                                              |                                                                                       |                                                                              |
| Weight (Packed state) |                  | Approx. 420 g                                                                                    |                                                                              | Approx. 250 g                                                                         |                                                                             |                                                                                       |                                                                              |                                                                                       |                                                                              |
| Material              | Case             | ABS                                                                                              |                                                                              |                                                                                       |                                                                             |                                                                                       |                                                                              |                                                                                       |                                                                              |
|                       | Lens             | Acrylics                                                                                         |                                                                              |                                                                                       |                                                                             |                                                                                       |                                                                              |                                                                                       |                                                                              |
|                       | Mounting bracket | Steel                                                                                            |                                                                              |                                                                                       |                                                                             |                                                                                       |                                                                              |                                                                                       |                                                                              |
| Accessories           |                  | Mounting bracket (with screws), nuts, instruction manual, reflector (retroreflective model only) |                                                                              |                                                                                       |                                                                             |                                                                                       |                                                                              |                                                                                       |                                                                              |

E3JK

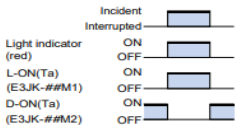
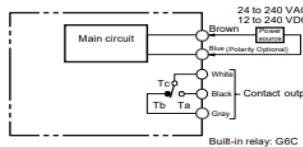
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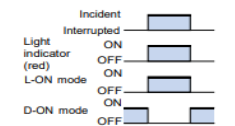
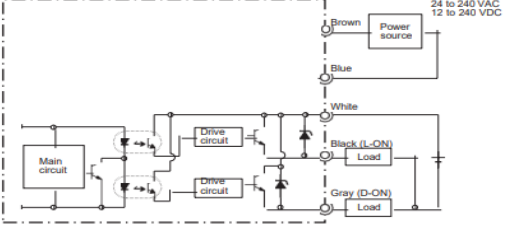
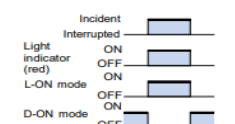
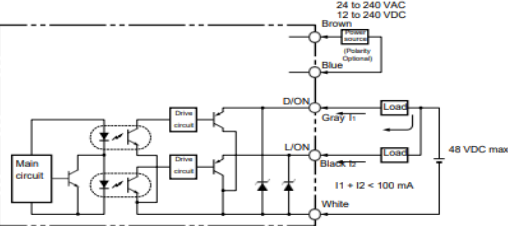
Output Circuit Diagram

E3JK

Relay output

| Model                                                                                                  | Timing chart                                                                      | Output circuit                                                                     |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| E3JK-5M1<br>E3JK-5M2<br>E3JK-R2M1<br>E3JK-R2M2<br>E3JK-R4M1<br>E3JK-R4M2<br>E3JK-DS30M1<br>E3JK-DS30M2 |  |  |

DC transistor output

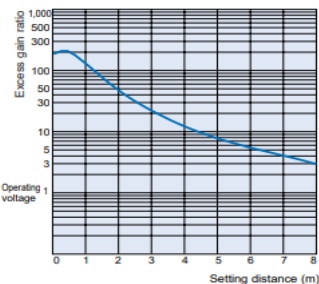
| Model                                             | Timing chart                                                                       | Output circuit                                                                      |
|---------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| E3JK-5S3<br>E3JK-R2S3<br>E3JK-R4S3<br>E3JK-DS30S3 |   |   |
| E3JK-R2R3                                         |  |  |

Note: The output stage leakage currents are 0.1 mA max., respectively.

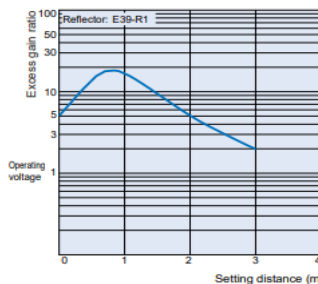
Characteristic data (typical)

BERME

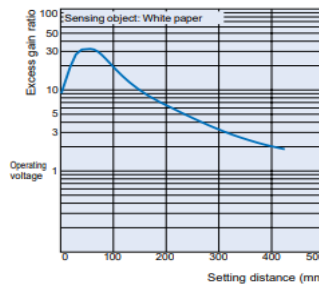
Excess Gain Ratio vs. Setting Distance  
Through-beam model  
E3JK-5##



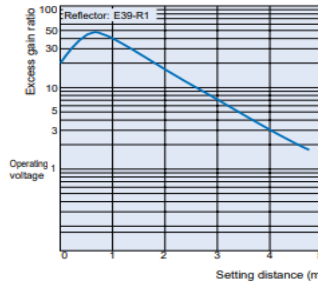
Retroreflective Models  
E3JK-R2## + E39-R1 (supplied reflector)



Diffuse-reflective  
E3JK-DS30##



E3JK-R4## + E39-R1 (supplied reflector)

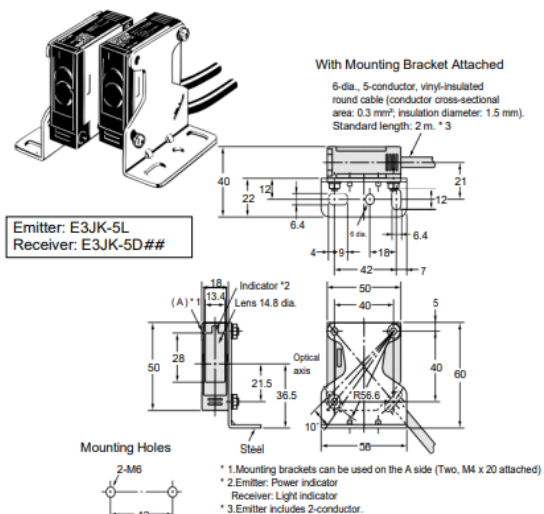


## Dimensions (Unit: mm)

## Sensors

E3JK-5##

CAD file E3JK\_01

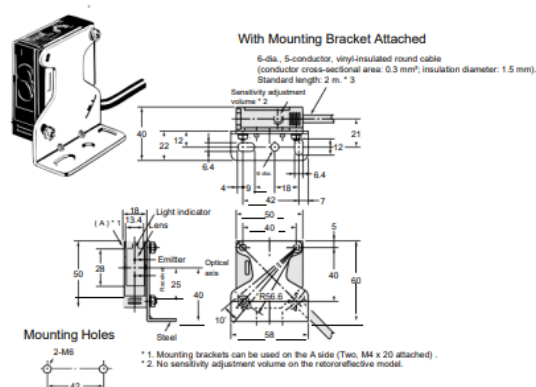


E3JK-R2##

E3JK-R4##

E3JK-DS30##

CAD file E3JK\_02

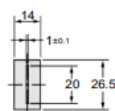


## Accessories (Order Separately)

## Seal type long slit (for E3JK)

E39-S39

Material: Polyester  
0.1 mm thick



## BERME

## Reflectors

| Name            | Sensing distance (typical) |                     | Model   | Quantity | Remarks                                                  |
|-----------------|----------------------------|---------------------|---------|----------|----------------------------------------------------------|
| Reflectors      | E3JK-R2##                  | 2.5 m (rated value) | E39-R1  | 1        | Attached to the E3JK-R2##.<br>Attached to the E3JK-R4##. |
|                 | E3JK-R4##                  | 4 m (rated value)   |         |          |                                                          |
|                 | E3JK-R2##                  | 3 m                 | E39-R2  | 1        | ---                                                      |
|                 | E3JK-R4##                  | 5 m                 |         |          |                                                          |
| Small reflector | E3JK-R2##                  | 1 m (5 mm) *        | E39-R3  | 1        | ---                                                      |
| Tape Reflector  | E3JK-R2##                  | 750 mm (200 mm) *   | E39-RS1 | 1        | The M.S.R. function is available.                        |
|                 | E3JK-R2##                  | 1.2 m (200 mm) *    | E39-RS2 |          |                                                          |
|                 | E3JK-R2##                  | 1.5 m (200 mm) *    | E39-RS3 |          |                                                          |

## Mounting Brackets

| Shape | Model   | Quantity | Remarks            |
|-------|---------|----------|--------------------|
|       | E39-L40 | 1        | Supplied with E3JK |

## Compact Photoelectric Sensor with Built-in Amplifier

**E3Z****BERME****The Standard for Photoelectric Sensors with a Secure Track Record of One Million Sold Yearly.**

CE

- Long sensing distance of 30 m for Through-beam Models, 4 m for Retro-reflective Models, and 1 m for Diffuse-reflective Models.
- Mechanical axis and optical axis offset of less than  $\pm 2.5^\circ$  simplifies optical axis adjustment.
- High stability with unique algorithm that prevents interference of external light.



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

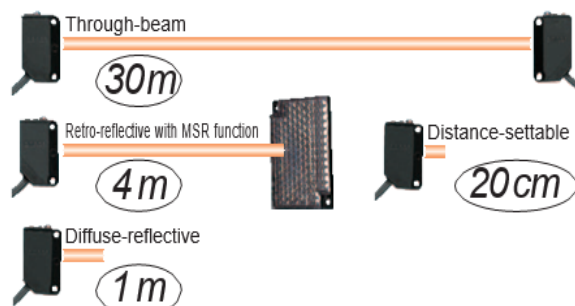


Be sure to read *Safety Precautions* on page 13.

**Features****Industry's Top-level Sensing Distance with Built-in Amplifier**

A separately sold filter is available to prevent mutual interference for Through-beam Models with red lights sources and a sensing distance of 10 m. Reflective Models include functionality to prevent mutual interference (up to 2 sensors).

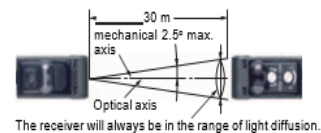
Long-distance, Through-beam Sensors with a detection distance of 30 m (response time: 2 ms) are also available.

**Low-temperature Operation for Applications in Cold-storage Warehouses**

A wider ambient operating (range) from  $-40$  to  $55^\circ\text{C}$  (main models with connectors). We also provide Sensor I/O Connectors with PUR Cables for high resistance to cold environments.

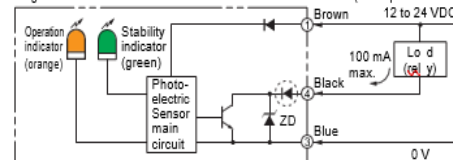
**Improved Matching of Optical Axis and Mechanical Axis for Through-beam Models and Retro-reflective Models**

The offset between the optical axis and the mechanical axis is kept within  $\pm 2.5^\circ$ , so the optical axis can be accurately set simply by mounting the Sensor according to the mechanical axis.

**Sensor Protection against Incorrect Wiring**

The Sensor includes output reverse polarity protection.  
(A diode to protect against reverse polarity is added to the output line.)

Through-beam Model receivers and Reflective Models (except the E3Z-LS)



Protection for NPN output models

## Ratings and Specifications

| Item                                        | Model                 | Sensing method | Through-beam                                                                                                        |                             |                             | Retro-reflective with MSR function                                                                                                                  | Diffuse-reflective                       |                                       | (Narrow-beam models)                         |         |
|---------------------------------------------|-----------------------|----------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------|----------------------------------------------|---------|
|                                             |                       | NPN output     | Pre-wired                                                                                                           | E3Z-T61                     | E3Z-T62                     | E3Z-T61A                                                                                                                                            | E3Z-R61                                  | E3Z-D61                               | E3Z-D62                                      | E3Z-L61 |
|                                             |                       |                | Connector (M8)                                                                                                      | E3Z-T66                     | E3Z-T67                     | E3Z-T66A                                                                                                                                            | E3Z-R66                                  | E3Z-D66                               | E3Z-D67                                      | E3Z-L66 |
|                                             |                       |                | PNP output                                                                                                          | Pre-wired                   | E3Z-T81                     | E3Z-T82                                                                                                                                             | E3Z-T81A                                 | E3Z-R81                               | E3Z-D81                                      | E3Z-D82 |
| Connector (M8)                              | E3Z-T86               | E3Z-T87        |                                                                                                                     | E3Z-T86A                    | E3Z-R86                     | E3Z-D86                                                                                                                                             | E3Z-D87                                  | E3Z-L86                               |                                              |         |
| Sensing distance                            |                       |                | 15 m                                                                                                                | 30 m                        | 10 m                        | 4 m (100 mm) *1<br>(when using E39-R1S)<br>3 m (100 mm) *1<br>(when using E39-R1)                                                                   | 100 mm<br>(white paper:<br>100 × 100 mm) | 1 m<br>(white paper:<br>300 × 300 mm) | 90 + 30 mm<br>(white paper,<br>100 × 100 mm) |         |
| Spot diameter (reference value)             |                       |                | ---                                                                                                                 |                             |                             |                                                                                                                                                     |                                          |                                       | (2.5 dia. and sensing distance of 90 mm)     |         |
| Standard sensing object                     |                       |                | Opaque: 12-mm dia. min.                                                                                             |                             |                             | Opaque: 75-mm dia. min.                                                                                                                             | ---                                      |                                       |                                              |         |
| Minimum detectable object (reference value) |                       |                | ---                                                                                                                 |                             |                             |                                                                                                                                                     |                                          |                                       | 0.1 mm (copper wire)                         |         |
| Differential travel                         |                       |                | ---                                                                                                                 |                             |                             |                                                                                                                                                     | 20% max. of setting distance             |                                       | Refer to Engineering data on page 8.         |         |
| Directional angle                           |                       |                | Both emitter and receiver: 3 to 15°                                                                                 |                             |                             | 2 to 10°                                                                                                                                            | ---                                      |                                       |                                              |         |
| Light source (wavelength)                   |                       |                | Infrared LED (870 nm)                                                                                               |                             | Red LED (660 nm)            | Red LED (660 nm)                                                                                                                                    | Infrared LED (860 nm)                    |                                       | Red LED (650 nm)                             |         |
| Current consumption                         |                       |                | 35 mA max. (Emitter: 15 mA max., Receiver: 20 mA max.)                                                              |                             |                             | 30 mA max.                                                                                                                                          |                                          |                                       |                                              |         |
| Protection circuits                         |                       |                | Reversed power supply polarity protection, Output short-circuit protection, and Reversed output polarity protection |                             |                             | Reversed power supply polarity protection, Output short-circuit protection, Mutual interference prevention, and Reversed output polarity protection |                                          |                                       |                                              |         |
| Response time                               |                       |                | Operate or reset: 1 ms max.                                                                                         | Operate or reset: 2 ms max. | Operate or reset: 1 ms max. |                                                                                                                                                     |                                          |                                       |                                              |         |
| Degree of protection                        |                       |                | IEC, IP67                                                                                                           |                             |                             |                                                                                                                                                     |                                          |                                       |                                              |         |
| Connection method                           |                       |                | Pre-wired cable (standard length: 2 m and 0.5 m), Connector (M8)                                                    |                             |                             |                                                                                                                                                     |                                          |                                       |                                              |         |
| Weight (packed state)                       | Pre-wired cable (2 m) |                | Approx. 120 g                                                                                                       |                             |                             | Approx. 65 g                                                                                                                                        |                                          |                                       |                                              |         |
|                                             | Connector             |                | Approx. 30 g                                                                                                        |                             |                             | Approx. 20 g                                                                                                                                        |                                          |                                       |                                              |         |
| Material                                    | Case                  |                | PBT (polybutylene terephthalate)                                                                                    |                             |                             |                                                                                                                                                     |                                          |                                       |                                              |         |
|                                             | Lens                  |                | Modified polycarbonate                                                                                              |                             |                             | Methacrylic resin                                                                                                                                   | Modified polycarbonate                   |                                       |                                              |         |

### PNP Output

| Model*                                                                                        | Operation mode       | Timing charts                                                                                                                                                                        | Operation selector | Output circuit                                                                                                                                            |
|-----------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| E3Z-T81(K)<br>E3Z-T86<br>E3Z-T82<br>E3Z-T87<br>E3Z-T81A<br>E3Z-T86A                           | Light-ON             | Incident light<br>No incident light<br>Operation indicator ON<br>(orange) OFF<br>Output transistor ON<br>Load Operate (e.g., relay) Reset<br>(Between blue (3) and black (4) leads)  | L side (LIGHT ON)  | Through-beam Receivers, Retro-reflective Models, Diffuse-reflective Models, Limited reflective Models.<br>Connector Pin Arrangement<br>Pin 2 is not used. |
| E3Z-R81(K)<br>E3Z-R86<br>E3Z-D81(K)<br>E3Z-D86<br>E3Z-D82(K)<br>E3Z-D87<br>E3Z-L81<br>E3Z-L86 | Dark-ON              | Incident light<br>No incident light<br>Operation indicator ON<br>(orange) OFF<br>Output transistor OFF<br>Load Operate (e.g., relay) Reset<br>(Between blue (3) and black (4) leads) | D side (DARK ON)   |                                                                                                                                                           |
| E3Z-B81<br>E3Z-B86<br>E3Z-B82<br>E3Z-B87<br>E3Z-L83<br>E3Z-L88                                | Through-beam Emitter |                                                                                                                                                                                      |                    | Connector Pin Arrangement<br>Pins 2 and 4 are not used.                                                                                                   |

## I/O Circuit Diagrams

## NPN Output

| Model*                                                                                                                                                                                                                                 | Operation mode       | Timing charts                                                                                                                                                                           | Operation selector | Output circuit                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E3Z-T61(K)<br>E3Z-T66<br>E3Z-T62<br>E3Z-T67<br>E3Z-T61A<br>E3Z-T66A<br>E3Z-R61(K)<br>E3Z-R66<br>E3Z-D61(K)<br>E3Z-D66<br>E3Z-D62(K)<br>E3Z-D67<br>E3Z-L61<br>E3Z-L66<br>E3Z-B61<br>E3Z-B66<br>E3Z-B62<br>E3Z-B67<br>E3Z-L63<br>E3Z-L68 | Light-ON             | <p>Incident light<br/>No incident light<br/>Operation indicator (orange) OFF<br/>Output transistor OFF<br/>Load Operate (e.g., relay) Reset (Between brown (1) and black (4) leads)</p> | L side (LIGHT ON)  | <p>Through-beam Receivers, Retro-reflective Models, Diffuse-reflective Models, Limited reflective Models.</p> <p>Connector Pin Arrangement</p> <p>Pin 2 is not used.</p> |
|                                                                                                                                                                                                                                        | Dark-ON              | <p>Incident light<br/>No incident light<br/>Operation indicator (orange) ON<br/>Output transistor OFF<br/>Load Operate (e.g., relay) Reset (Between brown (1) and black (4) leads)</p>  | D side (DARK ON)   |                                                                                                                                                                          |
|                                                                                                                                                                                                                                        | Through-beam Emitter | <p>Connector Pin Arrangement</p> <p>Pins 2 and 4 are not used.</p>                                                                                                                      |                    |                                                                                                                                                                          |

## Accessories (Order Separately)

**Slit** (A Slit is not provided with Through-beam Sensors) Order a Slit separately if required. [Refer to Dimensions on page 16.]

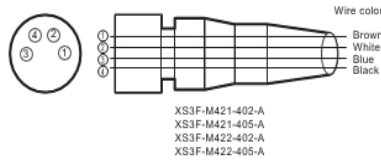
| Slit width  | Sensing distance |          | Minimum detectable object (Reference value) | Model    | Contents                                                   |
|-------------|------------------|----------|---------------------------------------------|----------|------------------------------------------------------------|
|             | E3Z-T@@          | E3Z-T@@A |                                             |          |                                                            |
| 0.5-mm dia. | 50 mm            | 35 mm    | 0.2-mm dia.                                 | E39-S65A | One set (contains Slits for both the Emitter and Receiver) |
| 1-mm dia.   | 200 mm           | 150 mm   | 0.4-mm dia.                                 | E39-S65B |                                                            |
| 2-mm dia.   | 800 mm           | 550 mm   | 0.7-mm dia.                                 | E39-S65C |                                                            |
| 0.5 × 10 mm | 1 m              | 700 mm   | 0.2-mm dia.                                 | E39-S65D |                                                            |
| 1 × 10 mm   | 2.2 m            | 1.5 m    | 0.5-mm dia.                                 | E39-S65E |                                                            |
| 2 × 10 mm   | 5 m              | 3.5 m    | 0.8-mm dia.                                 | E39-S65F |                                                            |

**Reflectors** (Reflector required for Retroreflective Sensors) A Reflector is not provided with the Sensor. Be sure to order a Reflector separately. [Refer to Dimensions on E39-L/E39-S/E39-R]

| Name                      | Sensing distance *                           |                                                  |              |                |              | Model   | Quantity | Remarks                                                                                                       |  |
|---------------------------|----------------------------------------------|--------------------------------------------------|--------------|----------------|--------------|---------|----------|---------------------------------------------------------------------------------------------------------------|--|
|                           | E3Z-R                                        |                                                  | E3Z-R@K      | E3Z-B@1/-B@6   | E3Z-B@2/-B@7 |         |          |                                                                                                               |  |
|                           | Rated value<br>(sensing<br>distance of 15 m) | Reference value<br>(sensing<br>distance of 10 m) | Rated value  | Rated value    | Rated value  |         |          |                                                                                                               |  |
| Reflector                 | 3 m (100 mm)                                 | ---                                              | 2 m (100 mm) | ---            | ---          | E39-R1  | 1        | • Retro-reflective<br>models are not<br>provided with<br>Reflectors.<br><br>• The MSR function<br>is enabled. |  |
|                           | 4 m (100 mm)                                 | ---                                              | 3 m (150 mm) | 500 mm (80 mm) | 2 m (500 mm) | E39-R1S | 1        |                                                                                                               |  |
|                           | ---                                          | 5 m (100 mm)                                     | ---          | ---            | ---          | E39-R2  | 1        |                                                                                                               |  |
|                           | ---                                          | 2.5 m (100 mm)                                   | ---          | ---            | ---          | E39-R9  | 1        |                                                                                                               |  |
|                           | ---                                          | 3.5 m (100 mm)                                   | ---          | ---            | ---          | E39-R10 | 1        |                                                                                                               |  |
| Fog Preventive<br>Coating | ---                                          | 3 m (100 mm)                                     | ---          | 500 mm (80 mm) | 2 m (500 mm) | E39-R1K | 1        |                                                                                                               |  |
| Small Reflector           | ---                                          | 1.5 m (50 mm)                                    | ---          | ---            | ---          | E39-R3  | 1        |                                                                                                               |  |
| Tape Reflector            | ---                                          | 700 mm (150 mm)                                  | ---          | ---            | ---          | E39-RS1 | 1        |                                                                                                               |  |
|                           | ---                                          | 1.1 m (150 mm)                                   | ---          | ---            | ---          | E39-RS2 | 1        |                                                                                                               |  |
|                           | ---                                          | 1.4 m (150 mm)                                   | ---          | ---            | ---          | E39-RS3 | 1        |                                                                                                               |  |

### Plugs (Sensor I/O Connectors)

#### M8 connector



#### Pin arrangement

| Classification | Wire color | Connector pin No. | Application        |
|----------------|------------|-------------------|--------------------|
| DC             | Brown      | 1                 | Power supply (+V)  |
|                | White      | 2                 | —                  |
|                | Blue       | 3                 | Power supply (0 V) |
|                | Black      | 4                 | Output             |

Note: Pin 2 is not used.

### Nomenclature

#### Through-beam Models

E3Z-T@@ (Receiver)

E3Z-T@@A (Receiver)

#### Retro-reflective Models

E3Z-R@@

E3Z-B@@

#### Diffuse-reflective Models

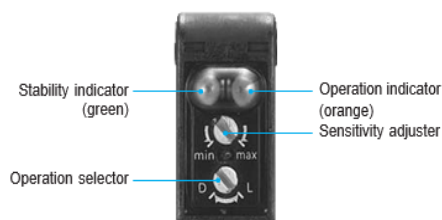
E3Z-D@@

#### Narrow-beam Reflective Models

E3Z-L@@

#### Limited reflective Models

E3Z-L@@



#### Retro-reflective Models

##### Connector Models

E3Z-R66 E3Z-B66

E3Z-R86 E3Z-B86

E3Z-D66 E3Z-B67

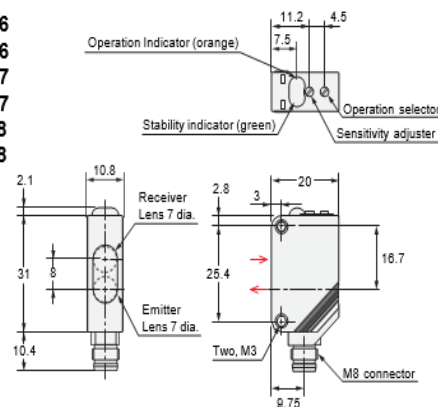
E3Z-D86 E3Z-B87

E3Z-D67 E3Z-L68

E3Z-D87 E3Z-L88

E3Z-L66

E3Z-L86



| Terminal No. | Specifications |
|--------------|----------------|
| 1            | +V             |
| 2            | —              |
| 3            | 0V             |
| 4            | Output         |

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