

# OMRON

## 形 E39-E19

形 E3AS-HL□用 正面保护罩

### 使用说明书

感谢您购买本产品，谨致谢意。

使用时请务必遵守以下内容。

- 请仔细阅读本使用说明书，并在充分理解的基础上正确使用。
- 请妥善保管本使用说明书，以便随时参阅。



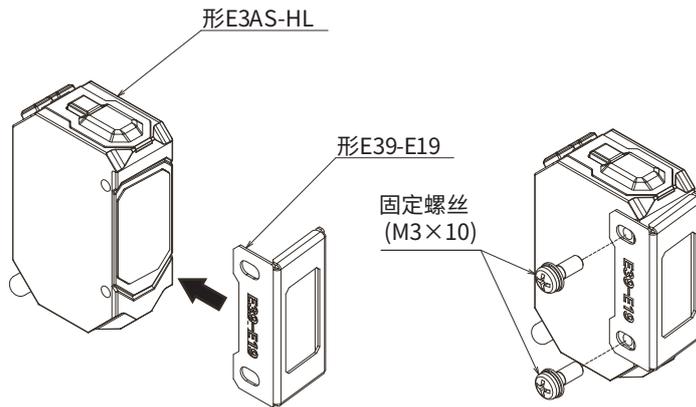
オムロン株式会社

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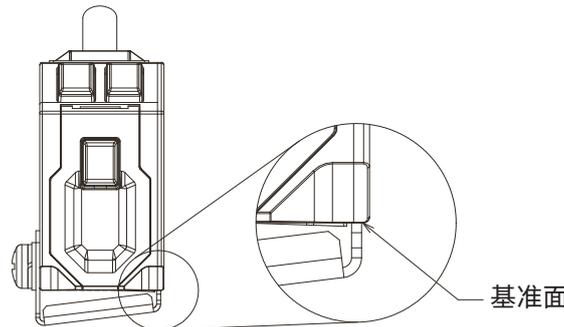
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## ■安装方法

1. 形E3AS-HL上安装保护罩。  
保护罩可安装在传感器的左右任意一面。



2. 请将保护罩保持在与形E3AS-HL的基准面接触的状态下进行螺丝固定。



传感器安装螺丝的长度有限制，以免与固定螺丝接触  
例) 形E3AS-HL (传感器宽 15.5mm)、形 E39-L211  
(传感器安装配件厚 3mm) 的情况下、请使用10mm以下的传感器安装螺丝。

## 安全上的要点

以下项目在安全确保方面非常重要，请务必遵守。

- (1) 请在下述扭矩范围内拧紧螺丝。紧固扭矩过大，可能会导致支架等损坏。若过小，则可能在振动·冲击等影响下脱落。  
M3: 0.4~0.5N·m
- (2) 飞溅等异物附着导致光学面劣化时，请更换本产品。

## 使用上的注意

- (1) 请不要在以下设置场所使用。
  - 日光直射场所
  - 含腐蚀性气体场所
  - 振动或冲击能直接传送到传感器场所
  - 有水或药剂等液体的场所
  - 周围环境条件超出规格值的场所
- (2) 请使用附带的螺丝进行安装。
- (3) 请注意传感器安装螺丝的长度，可能会与正面保护罩干涉。
- (4) 废弃时请遵守其使用国的废弃物处理规则。

## ■规格性能

使用周围温度	-25~+55°C
保存周围温度	-40~+70°C
振动 (耐久)	10~55Hz 双振幅1.5mm X,Y,X各方向 2h
冲击 (耐久)	500m/s <sup>2</sup> X,Y,X各方向 3回
材质	外壳: SUS304、镜盖: PC
适用传感器	E3AS-HL
附属品	固定螺丝 M3×10 (带弹簧垫圈、平垫圈) 材质: SUS、数量:2

## 承诺事项

本公司产品是作为工业通用品而设计制造的。因此，不适用于·以下用途，当公司产品被使用于以下用途时，本公司不做任何保证。但若是本公司特意为以下用途而设计，或有过特别协商的情况下，可以用于以下用途。

- (a) 需要高度安全性的用途 (例: 用于原子能控制设备, 焚烧设备, 航空·宇宙设备, 铁道设备, 升降设备, 娱乐设备, 医用器械, 安全装置, 或其他可能危及到生命·人身安全的用途)
- (b) 需要高可靠性的用途 (例: 煤气·水力·电力等的供给系统, 24小时连续运转系统, 裁决系统, 或其他牵涉到权利·财产的用途)
- (c) 苛刻条件或环境下的用途 (例: 室外设备, 易受化学污染的设备, 易受电磁干扰的设备, 易受震动·冲击的设备等)
- (d) 产品手册里未记载的条件或环境下的用途

\* 除上述 (a)-(d) 的记载事项, 本产品手册等记载的商品不适用于机动车 (包括两轮车, 以下相同)。请勿搭载于机动车上使用。机动车搭载用品请咨询本公司销售人员。

\* 以上是适用条件的一部分。详情请参阅记载于本公司最新版的综合产品目录, 使用手册上的保证·免责事项后再使用。

### ■制造商

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OMRON Corporation

# OMRON

## Model E39-E19

Front Protection Cover for Model E3AS-HL □

### INSTRUCTION SHEET

Thank you for selecting OMRON product. This sheet primarily describes precautions. Before operating the product, read the sheet thoroughly to acquire sufficient knowledge of the product. For your convenience, keep the sheet at your disposal.



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### Precautions for Safe Use

Please observe the following precautions for safe use of the products.

- (1) Tighten the screws within the following tightening torque range. If the tightening torque is too large, the holder may be damaged. If it is too small, the holder may come off due to vibration or impact.  
M3: 0.4 to 0.5 N·m
- (2) If the optical surface deteriorates due to foreign matter such as spatter, replace the product.

### Precautions for Correct Use

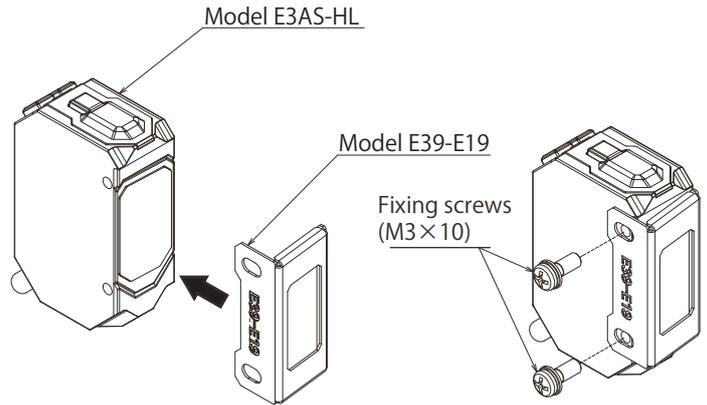
- (1) Do not use the product under the following conditions.
  - In the place exposed to the direct sunlight.
  - In the place where corrosive gas exists.
  - In the place where vibration or shock is directly transmitted to the product.
  - In the place exposed to liquids such as water and chemicals
  - In an ambient atmosphere or environment that exceeds the ratings.
- (2) Use the supplied screws for installation.
- (3) Note the length of the sensor mounting screw. It may interfere with the front protective cover.
- (4) Dispose in accordance with the applicable waste disposal regulations of the country of use.

### Ratings and Specifications

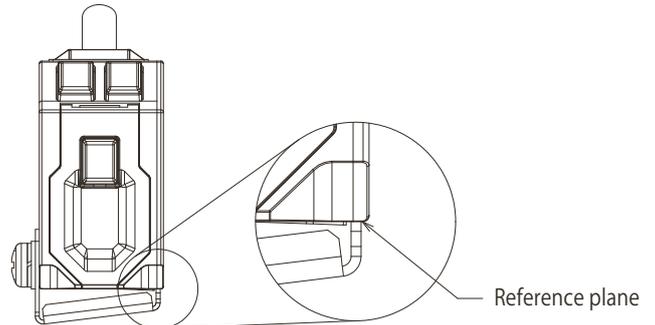
Ambient temperature (Operating)	-25 to 55°C
Ambient temperature (Storage)	-40 to 70°C
Vibration resistance	10 to 55 Hz, 1.5-mm double amplitude for 2 hours
Shock resistance	each in X, Y and Z directions 500 m/s <sup>2</sup> 3 times each in X, Y and Z directions
Material	Cover: SUS304, cover lens: PC
Applicable sensor	E3AS-HL
Accessory	Fixing screw M3 x 10 (with spring and plain washers) Material: SUS, Quantity: 2

### Installation

1. Attach the protective cover to the E3AS-HL.  
The protective cover can be attached to either side of the sensor.



2. Hold and screw the protective cover against the E3AS-HL reference plane.



The length of the sensor mounting screw is limited so that it does not hit the fixing screw.

Example) For E3AS-HL (sensor width 15.5 mm) and E39-L211 (mounting bracket width 3 mm), use a sensor mounting screw with a length of 10 mm or less.



### Suitability for Use

Omron Companies shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Product in the Buyer's application or use of the Product. At Buyer's request, Omron will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Product. This information by itself is not sufficient for a complete determination of the suitability of the Product in combination with the end product, machine, system, or other application or use. Buyer shall be solely responsible for determining appropriateness of the particular Product with respect to Buyer's application, product or system. Buyer shall take application responsibility in all cases.

NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT(S) IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

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