

## Reflectors for photoelectric sensors

## E39-R

The E39-R series of reflectors for photoelectric sensors features a wide range of models with different sizes, shapes, mounting types and materials. The reflectors provide high accuracy, reflectivity and lifetime for standard applications as well as for challenging environments.

- Standard reflectors with different sizes and shapes
- Detergent and heat resistant reflectors
- Screw mounting, snap-in or self-adhesive types



## Ordering information

| Shape                                                                               | Type                       | Housing material            | Features                                        | Size in mm    | Applicable Sensor                                                                                                             | Order code |
|-------------------------------------------------------------------------------------|----------------------------|-----------------------------|-------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------|------------|
|  | General purpose reflectors | ABS base<br>Acrylic surface | Surface screw mounting (diagonal holes)         | 40×60×7.5     |                                                                                                                               | E39-R1S    |
|  |                            |                             | Surface screw mounting (holes on one side only) | 35.4×42.3×8   |                                                                                                                               | E39-R9     |
|  |                            |                             |                                                 | 51.4×60.3×8.5 |                                                                                                                               | E39-R42    |
|  | Small size                 |                             | Side screw mounting or surface selfadhesive     | 41.8×22.5×11  | Retro-reflective photoelectric sensors – without M.S.R.<br>Retro-reflective photoelectric sensors – with M.S.R.* <sup>1</sup> | E39-R3     |
|  |                            |                             |                                                 | 23×13.7×4.9   |                                                                                                                               | E39-R4     |
|  | Large size                 |                             | Surface screw mounting                          | 100×100×9     |                                                                                                                               | E39-R8     |
|  |                            |                             |                                                 | 84.5×84.5×8.7 |                                                                                                                               | E39-R40    |

\*<sup>1</sup> Mirror Surface Rejection (MSR) is realized by using polarization filters

| Shape                                                                               | Type                                 | Housing material            | Features                                                                           | Size in mm                 | Applicable Sensor                                                             | Order code |
|-------------------------------------------------------------------------------------|--------------------------------------|-----------------------------|------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------|------------|
|    | <b>High precision</b>                | ABS base<br>Acrylic surface | Microtripel for improved performance with fine beam sensors                        | 52×40×4.8                  | Recommended for fine beam coaxial models (E3C-LR, E3NC-LH03, E3T-SR4, E3S-DB) | E39-R6     |
|    |                                      |                             |                                                                                    | 30×45                      |                                                                               | E39-R12    |
|    |                                      |                             |                                                                                    | 14×23×1                    |                                                                               | E39-R37-CA |
|    |                                      |                             |                                                                                    | 12×24                      |                                                                               | E39-R13    |
|    | <b>Simple mounting</b>               | ABS base<br>Acrylic surface | Round shape with centered mounting hole for simple screw mounting                  | Diameter: 84<br>Depth: 7.4 | Photoelectric sensors with and without M.S.R. <sup>*1</sup>                   | E39-R7     |
|   | <b>Enhanced detergent resistance</b> | PVC                         | Surface screw mounting<br>IP69k after DIN 40050 part 9                             | 40×60×7.5                  | Recommended for harsh environment sensors                                     | E39-R50    |
|  |                                      |                             |                                                                                    | 20×60×6                    |                                                                               | E39-R51    |
|  | <b>Highest detergent resistance</b>  | SUS316L<br>Borosilicat      | Surface screw mounting                                                             | 43×30×5                    |                                                                               | E39-R16    |
|  | <b>Heat resistant</b>                | Borosilicat                 | Surface screw mounting<br>450°C heat resistance<br>Suitable for vacuum environment | 95×51×8                    |                                                                               | E39-R47    |
|  | <b>Non-fogging reflector</b>         | ABS<br>Acrylic surface      | Anti-fogging coating                                                               | 40×60×7.5                  |                                                                               | E39-R1K    |

<sup>\*1</sup> Mirror Surface Rejection (MSR) is realized by using polarization filters

| Shape                                                                               | Type                                   | Housing material      | Features                                | Size in mm     | Applicable Sensor                                                                        | Order code      |
|-------------------------------------------------------------------------------------|----------------------------------------|-----------------------|-----------------------------------------|----------------|------------------------------------------------------------------------------------------|-----------------|
|    | <b>Special polarizing</b>              | ABS base PMMA surface | Special polarizing filter to PET        | 40×80×8.5      | E3ZM-B, E3FA-B, E3FB-B, E3S-DB                                                           | E39-RP1         |
|    | <b>General purpose tape reflectors</b> | Acrylic               | Self adhesive<br>Pre cut                | 35×10×0.7      | Photoelectric sensors with and without M.S.R.* <sup>1</sup><br><br>Optimised for E3T-SR4 | E39-RS1         |
|    |                                        |                       |                                         | 40×35×0.7      |                                                                                          | E39-RS2         |
|    |                                        |                       |                                         | 80×70×0.6      |                                                                                          | E39-RS3         |
|    |                                        |                       |                                         | 25 mm × 5 m    |                                                                                          | E39-RS25 5 m    |
|   |                                        |                       | Self adhesive<br>Self cut/roll material | 25 mm × 22.8 m |                                                                                          | E39-RS25 22.8 m |
|  |                                        |                       |                                         | 50 mm × 5 m    |                                                                                          | E39-RS50 5 m    |
|  |                                        |                       |                                         | 50 mm × 22.8 m |                                                                                          | E39-RS50 22.8 m |
|  |                                        |                       | Self adhesive<br>Pre cut                | 195×22         | Recommended for fine beam and laser sensors (E3Z-LR, E3C, E3X)                           | E39-RS4         |
|  | <b>High precision tape reflectors</b>  |                       |                                         | 108×46         |                                                                                          | E39-RS5         |

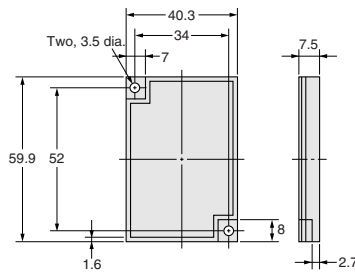
\*<sup>1</sup> Mirror Surface Rejection (MSR) is realized by using polarization filters

# Dimensions

E39-R1S  
E39-R1K \*



Material, reflective surface: acrylic  
Rear surface: ABS

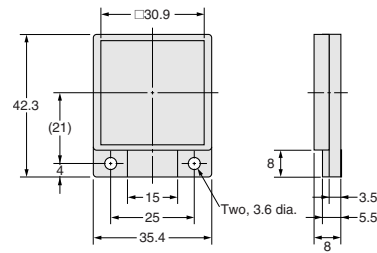


\*E39-R1 only  
Coating on reflective surface

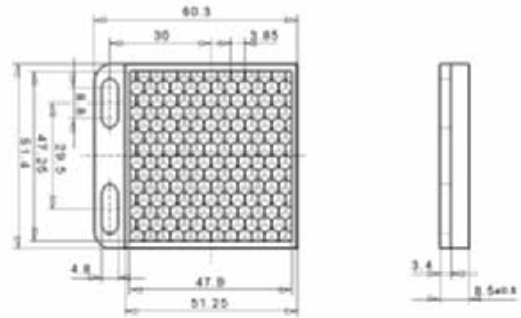
E39-R9



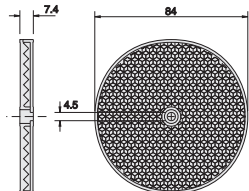
Material, reflective surface: acrylic  
Rear surface: ABS



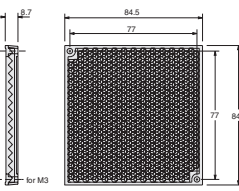
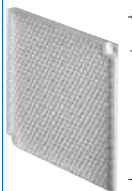
E39-R42



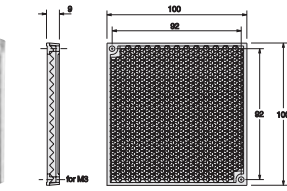
E39-R7



E39-R40



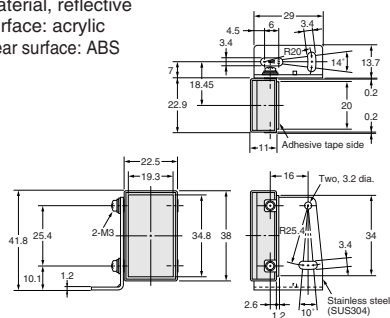
E39-R8



E39-R3



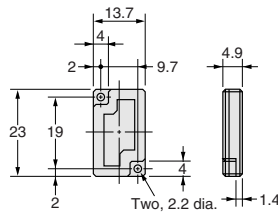
Material, reflective surface: acrylic  
Rear surface: ABS



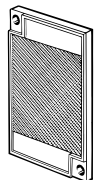
E39-R4



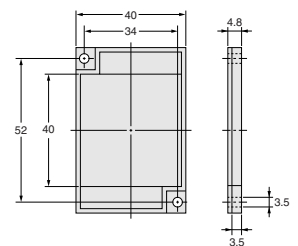
Material:  
Reflective surface: acrylic  
Rear surface: ABS



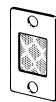
E39-R6



Material, reflective surface: acrylic  
Rear surface: ABS

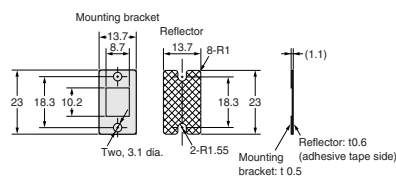


E39-R37-CA

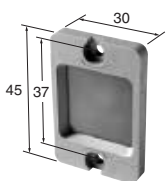


Material:  
Mounting plate: stainless steel (SUS301)  
Reflective surface: acrylic

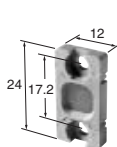
Note: The reflective plate and mounting plate (1) come as a set.



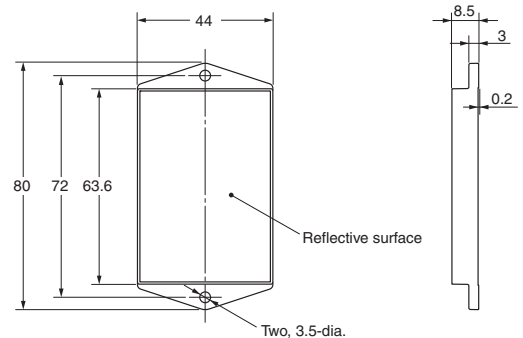
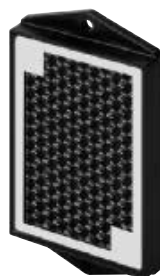
E39-R12/-R14



E39-R13



E39-RP1





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