

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.




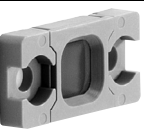







- Standard reflectors with different sizes and shapes
- Detergent and heat resistant reflectors
- Screw mounting, snap-in or self-adhesive types














Ordering information

Shape	Type	Housing material	Features	Size in mm	Applicable Sensor	Order code				
	General purpose reflectors	ABS base Acrylic surface	Surface screw mounting (diagonal holes)	40×60×7.5	Retro-reflective photoelectric sensors – without M.S.R Retro-reflective photoelectric sensors – with M.S.R.*1	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		ABS base Acrylic surface	Side screw mounting or surface selfadhesive		41.8×22.5×11	Retro-reflective photoelectric sensors – without M.S.R Retro-reflective photoelectric sensors – with M.S.R.*1	E39-R3		
						23×13.7×4.9		E39-R4		
	Large size			ABS base Acrylic surface		Surface screw mounting		100×100×9	Retro-reflective photoelectric sensors – without M.S.R Retro-reflective photoelectric sensors – with M.S.R.*1	E39-R8
								84.5×84.5×8.7		E39-R40

\*1 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 Acrylic surface	Microtripel for improved performance with fine beam sensors	52×40×4.8	Recommended for fine beam coaxial models (E3C-LR, E3Z-LR, E3T-SR4)	E39-R6
				30×45		E39-R12
				14×23×1		E39-R37-CA
				12×24		E39-R13
	<b>Simple mounting</b>	ABS base Acrylic surface	Round shape with centered mounting hole for simple screw mounting	Diameter: 84 Depth: 7.4	Photoelectric sensors with and without M.S.R. <sup>*1</sup>	E39-R7
	<b>Snap mounting</b>		Snap mounting for fast installation	Diameter: 30 Diameter of snap mount tool: 5		Recommended for snap mounting sensor E3FZ
	<b>Enhanced detergent resistance</b>	PVC	Surface screw mounting 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 Borosilicat	Surface screw mounting	43×30×5		E39-R16
	<b>Heat resistant</b>	Borosilicat	Surface screw mounting 450°C heat resistance Suitable for vacuum environment	95×51×8		E39-R47
	<b>Non-fogging reflector</b>	ABS Acrylic surface	Anti-fogging coating	40×60×7.5		E39-R1K

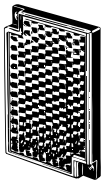
\*1 Mirror Surface Rejection (MSR) is realized by using polarization filters

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	E39-RP1	
	<b>General purpose tape reflectors</b>	Acrylic	Self adhesive Pre cut	35×10×0.7	Photoelectric sensors with and without M.S.R.* <sup>1</sup>	E39-RS1	
				40×35×0.7		Optimised for E3T-SR4	E39-RS1-CA
				80×70×0.6		E39-RS2	
					Optimised for E3T-SR4	E39-RS2-CA	
				Self adhesive Self cut/roll material	25 mm × 5 m		E39-RS3
					25 mm × 22.8 m		E39-RS3-CA
					50 mm × 5 m		E39-RS25 5 m
					50 mm × 22.8 m		E39-RS25 22.8 m
	<b>High precision tape reflectors</b>		Self adhesive Pre cut	195×22	Recommended for fine beam and laser sensors (E3Z-LR, E3C, E3X)	E39-RS4	
				108×46		E39-RS5	

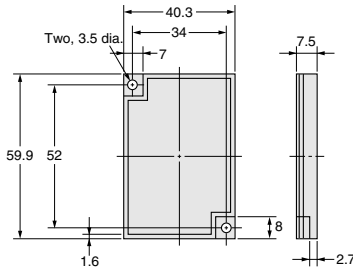
\*<sup>1</sup> Mirror Surface Rejection (MSR) is realized by using polarization filters

## Dimensions

### E39-R1S E39-R1K \*

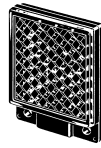


Material, reflective surface: acrylic  
Rear surface: ABS

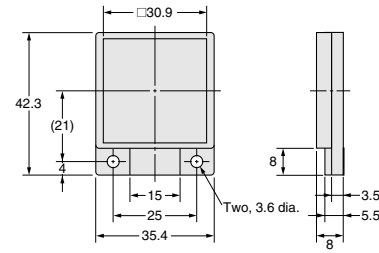


\*E39-R1 only  
Coating on reflective surface

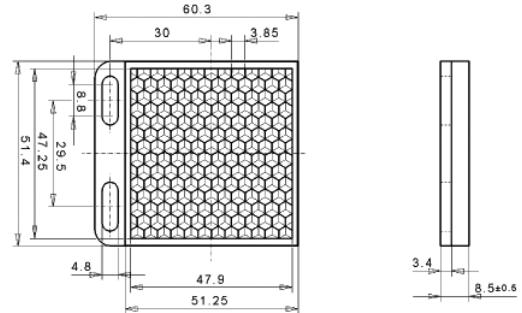
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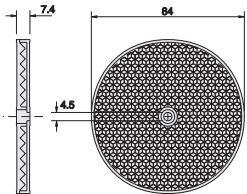
Material, reflective surface: acrylic  
Rear surface: ABS



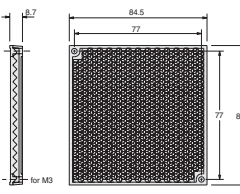
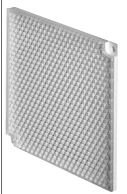
### E39-R42



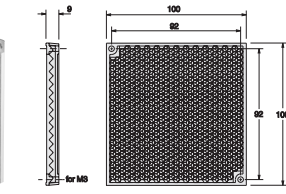
### E39-R7



### E39-R40



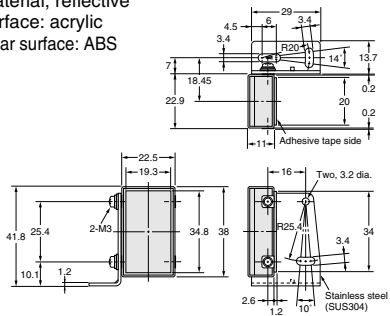
### E39-R8



### E39-R3



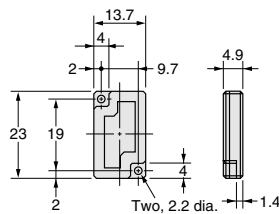
Material, reflective surface: acrylic  
Rear surface: ABS



### E39-R4

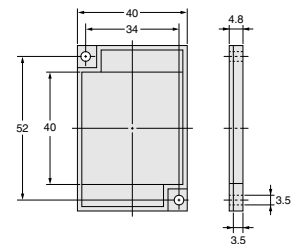
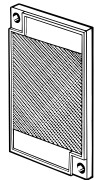


Material:  
Reflective surface: acrylic  
Rear surface: ABS

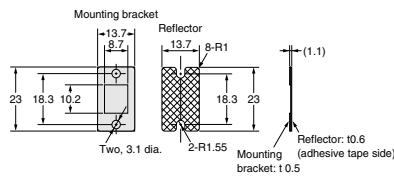


### E39-R6

Material, reflective surface: acrylic  
Rear surface: ABS

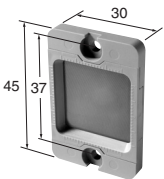


### E39-R37-CA

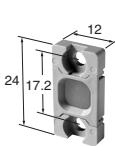


Material:  
Mounting plate: stainless steel (SUS301)  
Reflective surface: acrylic  
Note: The reflective plate and mounting plate (1) come as a set.

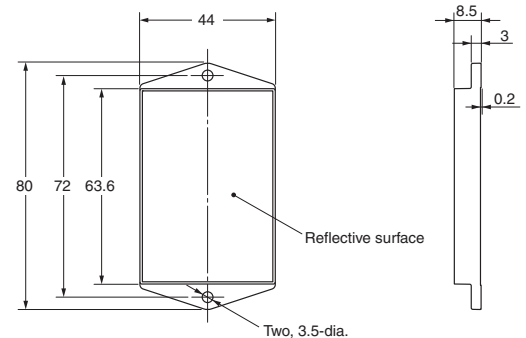
### E39-R12/-R14



### E39-R13



### E39-RP1





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