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OMRON

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		Side screw mounting or surface selfadhesive	41.8×22.5×11		E39-R3
			Surface screw mounting	23×13.7×4.9		E39-R4
	Large size			100×100×9		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
	**High precision**	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
	**Simple mounting**	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.[*1]	E39-R7
	**Snap mounting**		Snap mounting for fast installation	Diameter: 30 Diameter of snap mount tool: 5	Recommended for snap mounting sensor E3FZ	E39-R49
	**Enhanced detergent resistance**	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
	**Highest detergent resistance**	SUS316L Borosilicat	Surface screw mounting	43×30×5		E39-R16
	**Heat resistant**	Borosilicat	Surface screw mounting 450°C heat resistance Suitable for vacuum environment	95×51×8		E39-R47
	**Non-fogging reflector**	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
	**Special polarizing**	ABS base PMMA surface	Special polarizing filter to PET	40×80×8.5	E3ZM-B	E39-RP1
	**General purpose tape reflectors**	Acrylic	Self adhesive Pre cut	35×10×0.7	Photoelectric sensors with and without M.S.R.[*1]	E39-RS1
					Optimised for E3T-SR4	E39-RS1-CA
				40×35×0.7		E39-RS2
					Optimised for E3T-SR4	E39-RS2-CA
				80×70×0.6		E39-RS3
					Optimised for E3T-SR4	E39-RS3-CA
			Self adhesive Self cut/roll material	25 mm × 5 m		E39-RS25 5 m
				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
	**High precision tape reflectors**		Self adhesive Pre cut	195×22	Recommended for fine beam and laser sensors (E3Z-LR, E3C, E3X)	E39-RS4
				108×46		E39-RS5

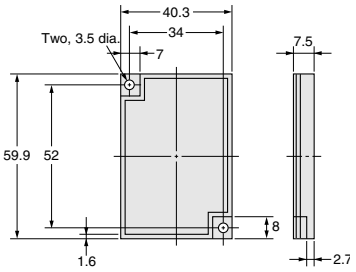
[*1] Mirror Surface Rejection (MSR) is realized by using polarization filters

Dimensions

E39-R1S
E39-R1K *



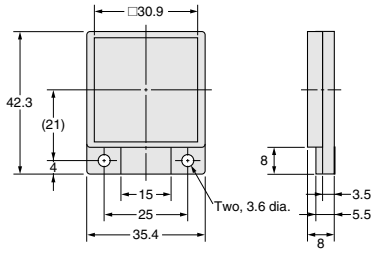
Material, reflective
surface: acrylic
Rear surface: ABS



*E39-R1 only
Coating on reflective surface

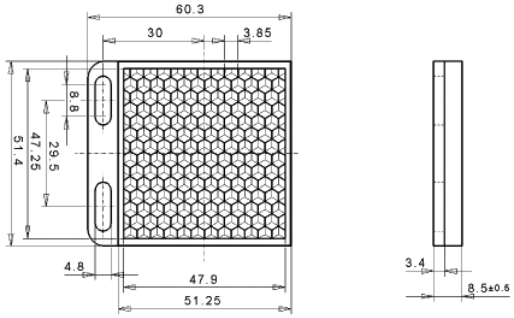
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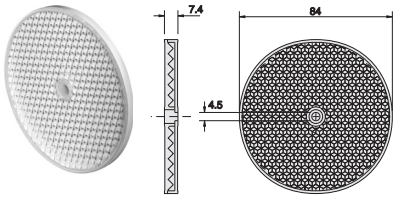


Material, reflective surface: acrylic
Rear surface: ABS

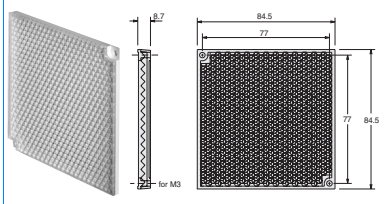
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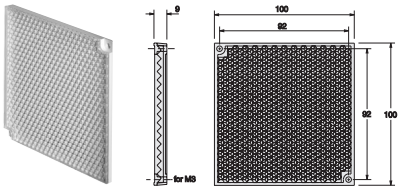
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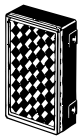
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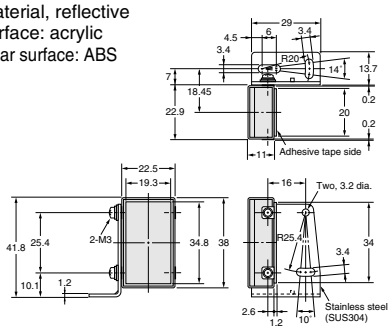
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E39-R3



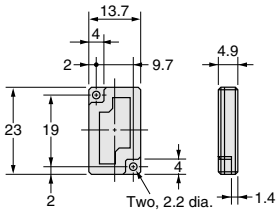
Material, reflective
surface: acrylic
Rear surface: ABS



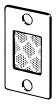
E39-R4

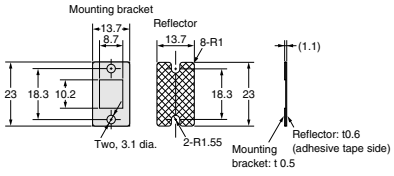


Material:
Reflective surface:
acrylic
Rear surface: ABS



E39-R37-CA

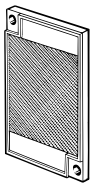




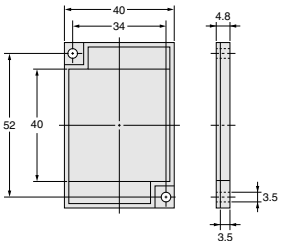
Material:
Mounting plate: stainless steel (SUS301)
Reflective surface: acrylic

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

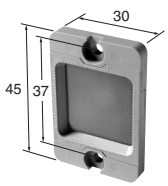
E39-R6



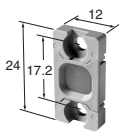
Material, reflective
surface: acrylic
Rear surface: ABS



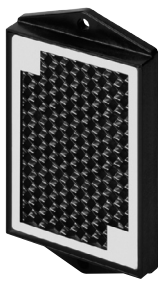
E39-R12/-R14

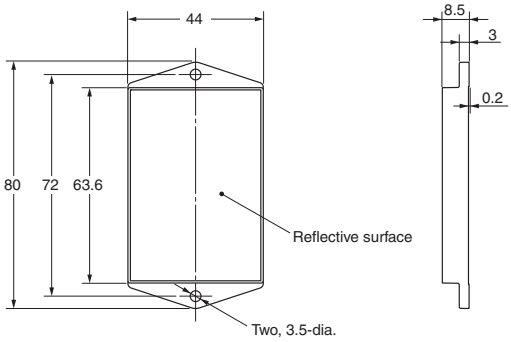


E39-R13



E39-RP1





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