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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.

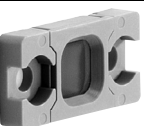
- Standard reflectors with different sizes and shapes
- Detergent and heat resistant reflectors
- Screw mounting, snap-in or self-adhesive types



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		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		Surface screw mounting	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 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 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
	High precision tape reflectors	Acrylic	Self adhesive Pre cut	195×22	Recommended for fine beam and laser sensors (E3Z-LR, E3C, E3X)	E39-RS4
				108×46		E39-RS5

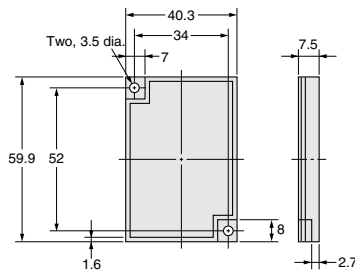
*¹ Mirror Surface Rejection (MSR) is realized by using polarization filters

Dimensions

E39-R1S
E39-R1K *



Material, reflective surface: acrylic
Rear surface: ABS

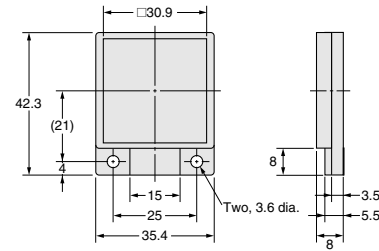


*E39-R1 only
Coating on reflective surface

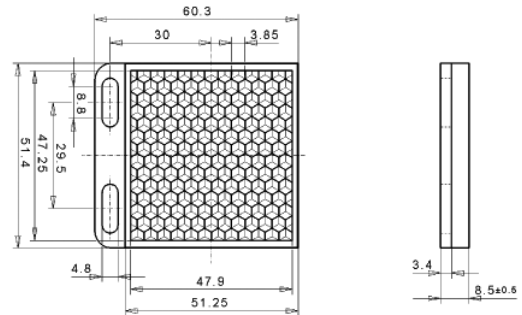
E39-R9



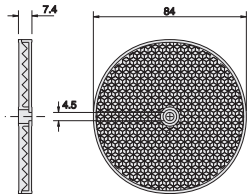
Material, reflective surface: acrylic
Rear surface: ABS



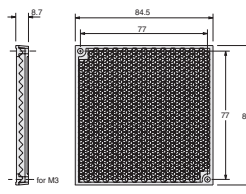
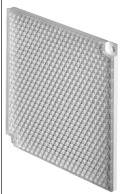
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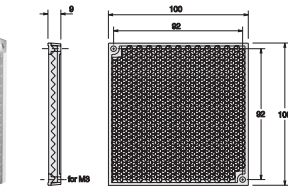
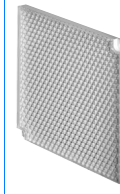
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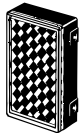
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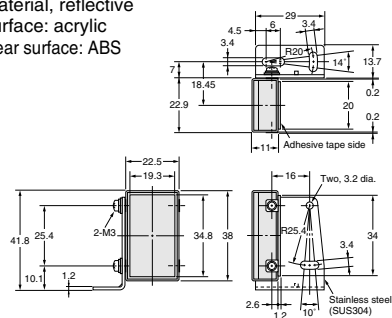
E39-R8



E39-R3



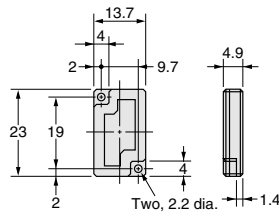
Material, reflective surface: acrylic
Rear surface: ABS



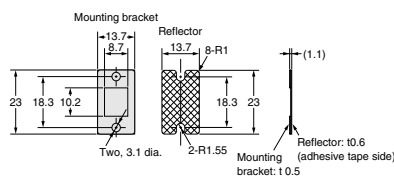
E39-R4



Material:
Reflective surface: acrylic
Rear surface: ABS

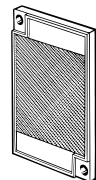


E39-R37-CA

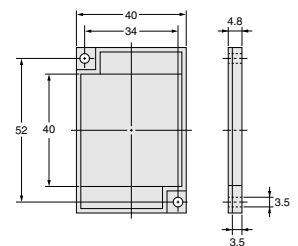


Material:
Mounting plate: stainless steel (SUS301)
Reflective surface: acrylic
Note: The reflective plate and mounting plate (1) come as a set.

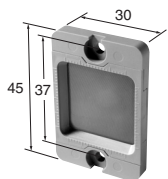
E39-R6



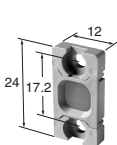
Material, reflective surface: acrylic
Rear surface: ABS



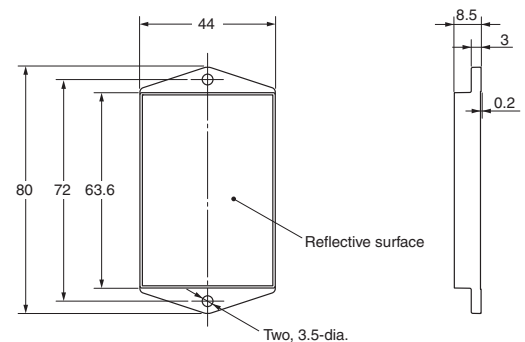
E39-R12/-R14



E39-R13



E39-RP1



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Cat. No. E90E-EN-01

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