OMRON

Mounting brackets for photoelectric and inductive sensors

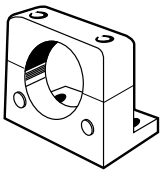
E39-L

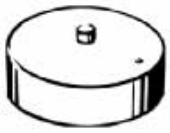
The E39-L series of mounting brackets provides installation support and optionally additional protection for photoelectric and inductive sensors.

- Mounting brackets for square and cylindrical shapes
- Ground, back wall, side wall or 360° mounting types

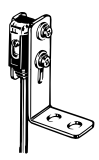
Ordering information

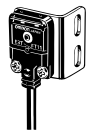
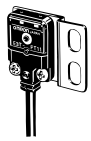
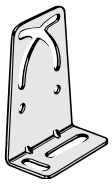
For cylindrical shapes

Shape	Product group	Type	Housing material	Features	Applicable sensors	Order code
	Mounting brackets	general purpose - screw fix	plastic	- cost efficient mounting bracket - for M8, M12, M18, M30 - surface mounting	-E3F2 -E2A	Y92E-B8 Y92E-B12 Y92E-B18 Y92E-B30
		general purpose - snap fix	stainless steel	- for dia 20 mm	-E3FZ (snap mount)	E39-EL8
		general purpose - screw fix		- for M18	-E3FZ (mounting with M18 nuts) -E3F2	E39-EL12
			plastic	- for dia 34 mm	-E2K-C	Y92E-A34
		quick access - snap fix		- snap fix for quick sensor access - for M8, M12, M18, M30 - surface mounting	-E3F2 (metal housing) -E2A (metal housing)	Y92E-BC8 Y92E-BC12 Y92E-BC18 Y92E-BC30
		quick access - clamp fix	stainless steel	- clamp fix for quick sensor access with exact repositioning - for M8, M12, M18, M30 - through mounting		Y92E-G8 Y92E-G12 Y92E-G18 Y92E-G30

Shape	Product group	Type	Housing material	Features	Applicable sensors	Order code
	Protective covers	general purpose sensor head protection	polyarylate	- for M8, M12, M18, M30 - for shielded and unshielded	-E2A	Y92E-E8 Y92E-E12 Y92E-E18 Y92E-E30
		sputter protection for sensor head	silicone rubber	- increased protection in weld fields - for M12, M18, M30 - for shielded sensors		Y92E-E12-2 Y92E-E18-2 Y92E-E30-2
		general purpose lens protection	metal rim with glas cover		E3F2	E39-F31

For square shapes

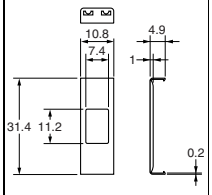
Shape	Type	Housing material	Features	Mounting type	Applicable Sensors	Order code
	General purpose mounting	Stainless steel (SUS 304)	inclination angle adjustment	side wall mounting	E3Z	E39-L43
				back wall mounting		E39-L44
			horizontal and inclination angle adjustment	surface mounting		E39-L104
			up/down position adjustment	back wall mounting	E3T-S	E39-L117
				surface mounting		E39-L116

Shape	Type	Housing material	Features	Mounting type	Applicable Sensors	Order code
	General purpose mounting	Stainless steel (SUS 304)	up/down position adjustment	back wall mounting	E3T-F	E39-L119
				side wall mounting		E39-L120
			inclination angle adjustment	back wall mounting	E3G-R	E39-L132
				side and back wall mounting		E39-L131
				surface mounting	E3G-L	-E39-L139 -E39-L140

Shape	Type	Housing material	Features	Mounting type	Applicable Sensors	Order code
	General purpose mounting	Stainless steel (SUS 304)	3D rotation	surface, side and backwall mounting	E3G, E3Z	E39-EL4
					E3T, E3Z, E3C	E39-EL5
						E39-EL6
	Side protection		inclination angle adjustment	protective side wall mounting	E3T-S	E39-L118
	Full protection		inclination angle adjustment	protective side wall mounting	E3Z (pre-wired types)	E39-L142
			horizontal angle adjustment	protective surface mounting		E39-L144
					-E3Z	E39-L98

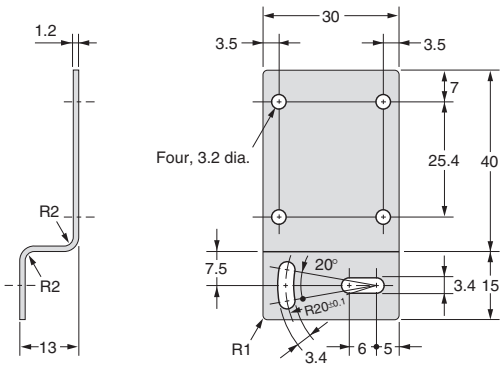
Shape	Type	Housing material	Features	Mounting type	Applicable Sensors	Order code
	Telescope mounting	Stainless steel (SUS 304)	- 360° horizontal rotation - max telescope length	side and back wall mounting	-E3Z -E39-R3	-E39-L150 -E39-L151
			3D rotation around x, y, and z-axis	side wall, back wall and surface mounting		E39-L93FH E39-L93FV
			Extension pipe with XY joint	pipe mounting	E39-L93_	E39-L93XY
			Reflector adapter for E39-L93_	telescope mounting	-E39-R1 -E39-R1S	E39-L96

Slit, filters and other accessories

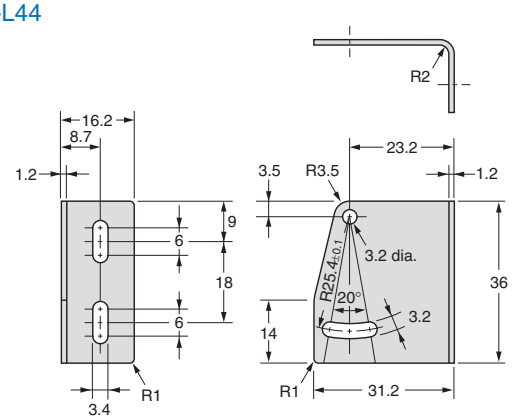
Shape	Type	Features	Mounting type	Applicable Sensors	Order code
	Precision detection slit cover	- slit width from dia 0.5 mm for min object size detection of dia 0.2 mm	snap on	E3Z-T	E39-S65
				E3T-□T	-E39-S63 -E39-S64
	Mutual interference prevention	polarizing filter for close mounting of multiple sensors through beam sensors		E3Z-T□A	E39-E11
	Adjustment aid	adjustment aid for sensitivity adjustment		E3T-ST1	E39-E10
				photo electric sensors with adjustable potentiometers	E39-G2

Dimensions

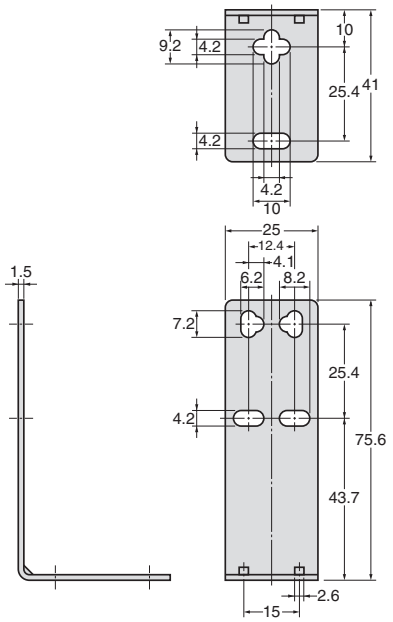
E39-L43



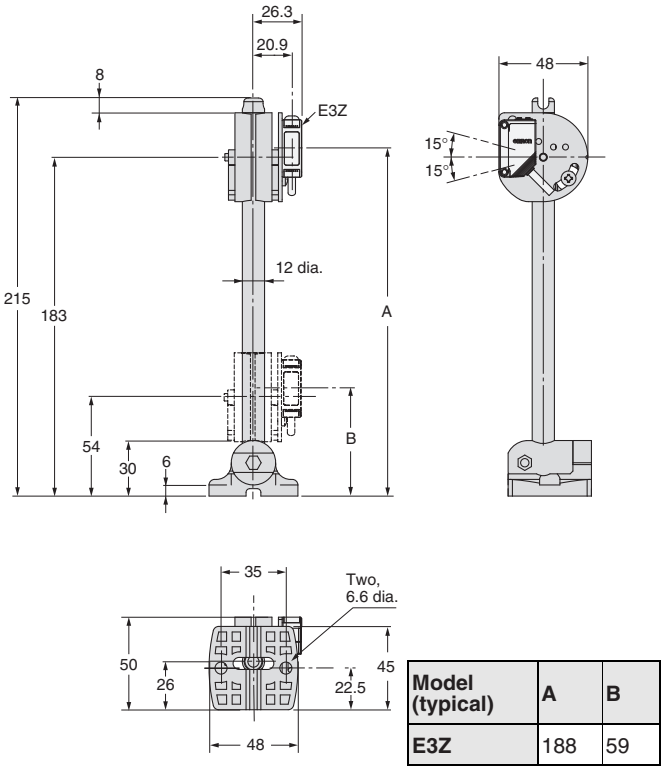
E39-L44



E39-L87

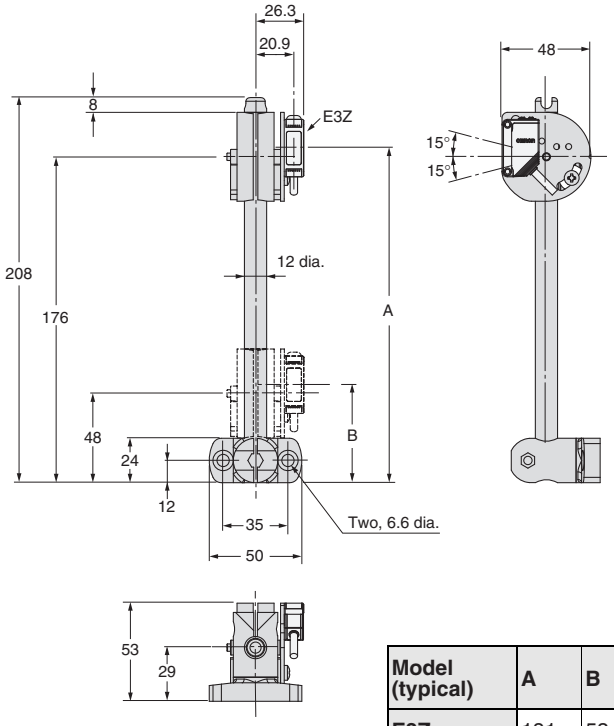


E39-L93FH



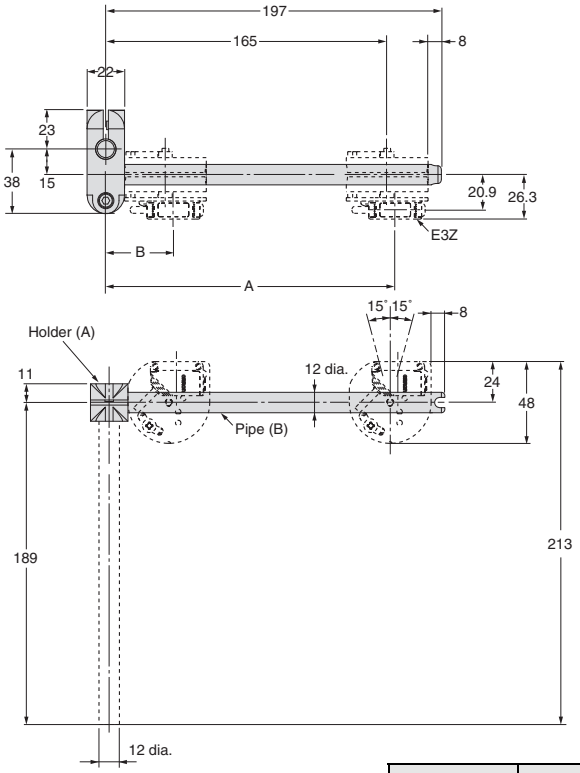
Model (typical)	A	B
E3Z	188	59

E39-L93FV



Model (typical)	A	B
E3Z	181	53

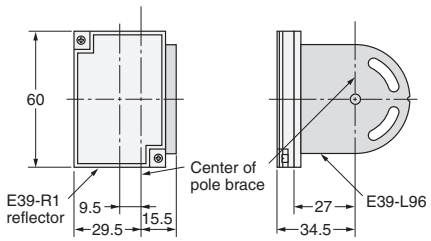
E39-L93XY



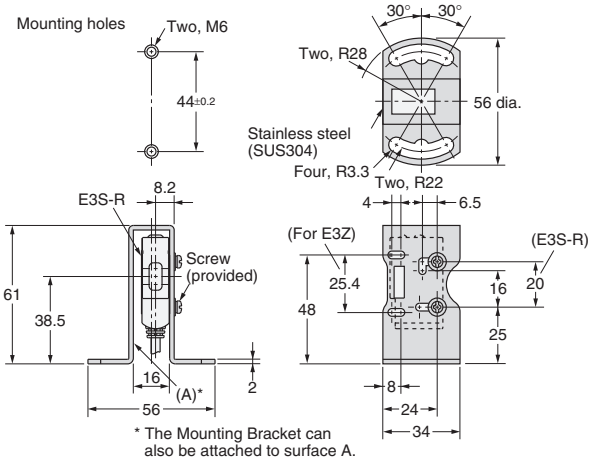
Note: The E39-L93XY consists of only the one joint holder (A) and pipe (B), and the two hexagonal bolts and nuts. It cannot be mounted to the Sensor alone.

Model (typical)	A	B
E3Z	170	40

E39-L96

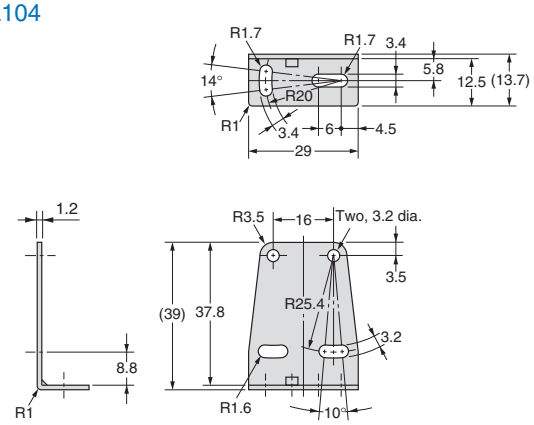


E39-L98 (Vertical)

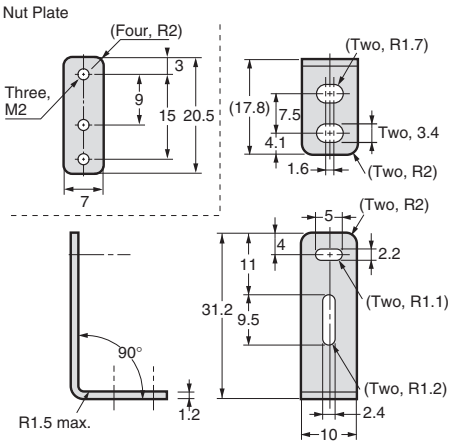


* The Mounting Bracket can also be attached to surface A.

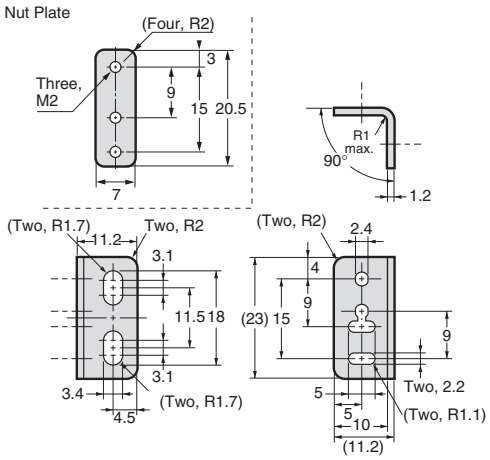
E39-L104



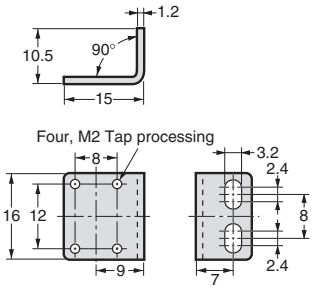
E39-L116



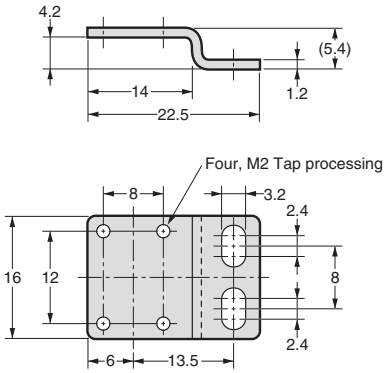
E39-L117



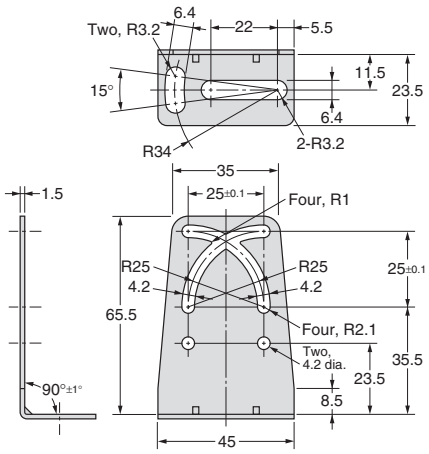
E39-L119



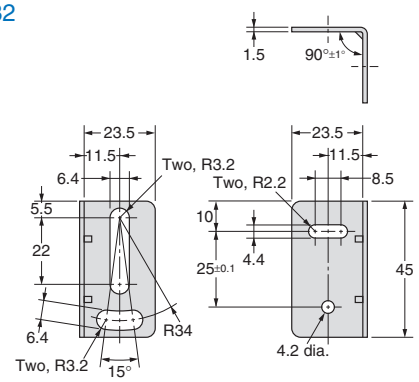
E39-L120



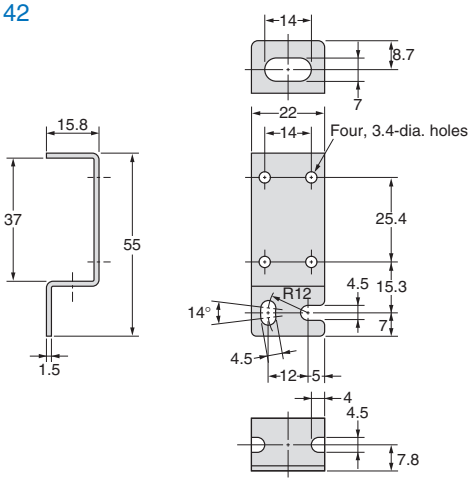
E39-L131



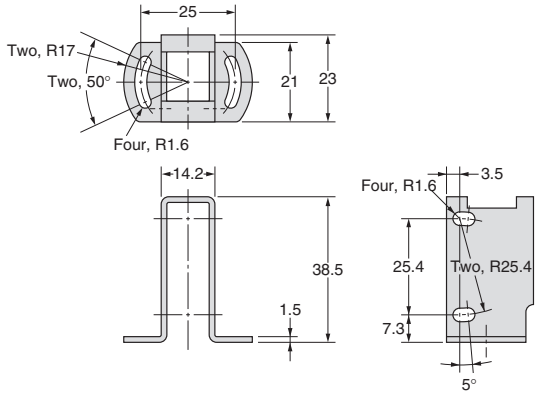
E39-L132



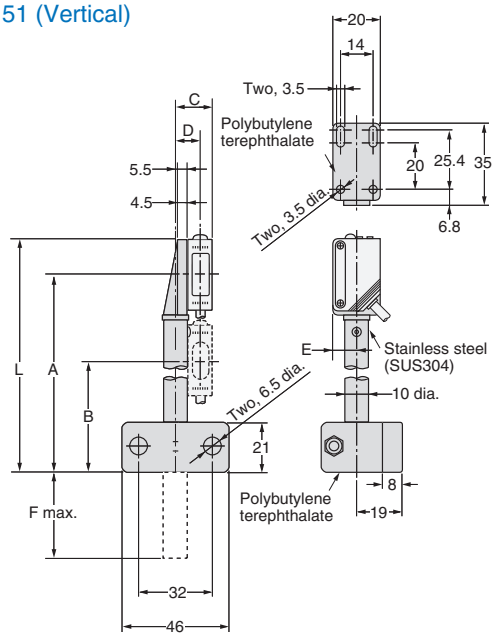
E39-L142



E39-L144



E39-L150 (Vertical)
E39-L151 (Vertical)



E39-L150

Model (typical)	A	B	C	D	E	F
E3Z	84.5	47.5	16.3	10.9	10	37

Model	L
E39-L150	100
E39-L151	200

Read and Understand This Catalog

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- Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this catalog.
- Nuclear energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
- Systems, machines, and equipment that could present a risk to life or property.

Please know and observe all prohibitions of use applicable to the products.

NEVER USE THE PRODUCTS 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 PRODUCTS ARE PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.

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DIMENSIONS AND WEIGHTS

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

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Cat. No. E91E-EN-01 **In the interest of product improvement, specifications are subject to change without notice.**

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