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CSM_E39-L/E39-S/E39-R_DS_E_19_5

Mounting Brackets [Refer to Dimensions on page 6.]

	Fitting		Acce	Applicable sensor	Page		
Model	materials	Count	Description	Material	Count	(mounting pitch on sensor side)	Dimensions
E39-L31	Iron, zinc plating	1	Slotted/Phillips screws, M3 × 12 (with spring washers)	Iron, zinc plating	2	E3C-S50 (8)	
E39-L40	Iron, zinc plating	1	Phillips screws M4 × 25 (with spring and plain washers)	Iron, zinc plating	2	E3JK	
			Nuts M4	Iron, zinc plating	2		
E39-L41	Iron, zinc plating	2	Phillips screws M3 × 14 (with spring washers)	Iron, zinc plating	4	E3C-1 (10)	5
			Plain washer M3	Iron, zinc plating	4		
E39-L42	Iron,	2	Phillips screws M3 × 10 (with spring washers)	Iron, zinc plating	4	E3C-2 (20) E3C-DS10 (19)	
L03-L42	black coating		Plain washer M3	Iron, zinc plating	4	E3C-VS1G (19) E3C-VS3R (19)	
E39-L43	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 8 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4)	
E39-L44	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 8 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4)	
E39-L51	Iron, zinc plating	1	Slotted/Phillips screws M4 \times 30 (with spring and plain washers)	Iron, zinc plating	2	E3JM (40)	7
			Nuts M4	Iron, nickel plating	2		,
E39-L53	Iron, zinc plating	1				E3JM (40)	
E39-L54V	Stainless steel (SUS304)	1				E32-T54V	
E39-L83	Stainless steel	1				E32-T24S E32-A03	
E39-L85	Stainless steel (SUS304)	1	Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (25.4)	0
E39-L86	Stainless steel (SUS304)	1	Hexagonal bolts M4 \times 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (25.4)	8
E39-L87	Stainless steel (SUS304)	1	Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (25.4)	

Note: Applicable models that appear shaded come with the Mounting Brackets at left as accessories.

	Fitting		Acce	Applicable sensor	Page		
Model	materials	Count	Description	Material	Count	(mounting pitch on sensor side)	Dimensions
	Otaliala an ata al		Holder (upper)	Heat-resistant ABS resin	1	,	
E39-L93FH	Stainless steel (SUS304)	1	Holder (lower)	66 nylon	1		
	(303304)		Pipe	Stainless steel (SUS304)	1		
E39-L93FV	Stainless steel	1	Bolts M4 × 12 with Hexagonal holes	Iron, nickel plating	2		
	(SUS304)		Bolts M4 × 30 with hexagonal holes	Iron, nickel plating	1	E3Z (25.4) E39-R1/E39-R3	9
E39-L93H	Stainless steel (SUS304)	1	Phillips screws M3 × 12 (with spring and plain washers)	Stainless steel (SUS304)	2		
	Ctainless steel		Spring washer M4	Iron, nickel plating	1		
E39-L93V	Stainless steel (SUS304)	1	Plain washer M4	Iron, nickel plating	1		
	(303304)		Nuts M4	Iron, nickel plating	3		
			Holder	66 nylon	1		
E00 1 00VV			Pipe	Stainless steel (SUS304)	1	E3Z (25.4)	
E39-L93XY			Bolts M5 × 16 with hexagonal holes	Stainless steel (SUS304)	2	E39-R1/E39-R3	•
			Nuts M5	Stainless steel (SUS304)	2		
			Phillips screws M3 × 10	Iron, zinc plating	4	E32-T16P (19)	
E39-L94	Iron, zinc plating	2	Nuts M3	Iron, zinc plating	4	E32-T16PR (19)	
E39-L96			Trate in e	piamig		(- /	10
* For installation of Sensor Adjuster E39- L93	Stainless steel (SUS304)	1	Phillips screws M3 × 6 (with spring and plain washers)	Iron, nickel plating	2	E39-R1	
E39-L98	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 12 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4)	
E39-L102	Stainless steel (SUS304)	1	Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (horizontal type) (25.4)	
E39-L103	Stainlage staal		Hexagonal bolts M4 × 12 (with spring and plain washers)	Iron, zinc plating	2	E3S-C (vertical type) (25.4)	11
E39-L104	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 8 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4) E32-R21 (for installation of E39-R3) (25.4)	
E39-L116	Stainless steel (SUS304)	1	Nut plate	Stainless steel (SUS304)	1	E3T-S (9/15)	
E39-L117	Stainless steel (SUS304)	1	Nut plate	Stainless steel (SUS304)	1	E3T-S (9/15)	
E39-L118	Stainless steel (SUS304)	1	Nut plate	Stainless steel (SUS304)	1	E3T-S (9/15)	
E39-L119	Stainless steel (SUS304)	1				E3T-F (8)	
E39-L120	Stainless steel (SUS304)	1				E3T-F (8)	12
E39-L127-T1	Iron, zinc plating	1	Phillips screws M2.3 × 8 Spring washer M2.3	Iron, zinc plating Iron, zinc plating	4		
E39-L127-T2	Iron, zinc plating	1	Phillips screws M2.3 × 8 Spring washer M2.3	Iron, zinc plating Iron, zinc plating	4 4	E3C-S10 (7.5)	
E39-L127-T3	Iron, zinc plating	1	Phillips screws M2.3 × 8	Iron, zinc plating	4 4		
		1	Spring washer M2.3	Iron, zinc plating	4		

Note: Applicable models that appear shaded come with the Mounting Brackets at left as accessories.

	Fitting		Acce		Applicable sensor	Page	
Model	materials	Count	Description	Material	Count	(mounting pitch on sensor side)	Dimensions
E39-L142	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 8 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4)	
E39-L143	Stainless steel (SUS304)	1	None			E3NX-CA E3NX-FA E3X-DA-S/MDA E3NC-LA E3NC-SA E2CY-SD E9NC-TA E3X-NA E3C-LDA E2C-EDA E4C-UDA	13
E39-L144	Stainless steel (SUS304)	1	Slotted/Phillips screws M3 × 12 (with spring and plain washers)	Stainless steel (SUS304)	2	E3Z pre-wired model (25.4)	
E39-L148	Stainless steel (SUS304)	1	None			E3X-NA	
E39-L149	Iron, black coating	1	None			E3Z-G	
E39-L150	Stainless steel (SUS304)	1	Holder/bracket Shaft (brace) Bolt with hexagonal hole Nut Phillips screw Slotted/Phillips screws	PBT (polybutylene tereph- thalate) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUS304)	1 1 1 1 1 2	E3Z (25.4) E3S-R6□/R8□ (20) E39-R3	14
E39-L151	Stainless steel (SUS304) Stainless steel	1	Holder/bracket Shaft (brace) Bolt with hexagonal hole Nut Phillips screw Slotted/Phillips screws M3 × 8	PBT (polybutylene tereph- thalate) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUS304) Stainless steel (SUSXM7) Stainless steel (SUS304)	1 1 1 1 1 2	E3Z (25.4) E3S-R6□/R8□ (20) E39-R3	_
E39-L166	(SUS304) Stainless steel (SUS304)	1	(with spring and plain washers) Nut plate	Stainless steel (SUS304)	1	(25.4) E3T-S□□M (13/16)	
E39-L167	Stainless steel (SUS304)	1				E3T-FD□□M (8)	15
E39-L168	PBT (polybutylene terephthalate)	1				E3T-FD□□M	
E39-L180	Stainless steel (SUS304)	1	Phillips screw Nut plate	Stainless steel Stainless steel	2	ZX1-LD50□ ZX1-LD100□	
E39-L181	Stainless steel (SUS304)	1	Phillips screw Nut plate	Stainless steel Stainless steel	2	ZX1-LD300□ ZX1-LD600□	16
E39-L185	Stainless steel (SUS304)	1	Phillips screw Nut plate	Stainless steel Stainless steel	2	E3NC-LH02	
E39-L186	Stainless steel (SUS304)	1	Phillips screw Nut plate	Stainless steel Stainless steel	2	E3NC-LH01	
E39-L187	Stainless steel (SUS304)	1	Phillips screw Nut plate	Stainless steel Stainless steel	2	E3NC-SH250H E3NC-SH250 E3NC-SH100	
E39-L188	Stainless steel (SUS304)	1	Phillips screw Nut plate	Stainless steel Stainless steel	2	E3NC-SH250H E3NC-SH250 E3NC-SH100	17
E39-L190	Stainless steel (SUS304)	1	Phillips screw Nut plate	Stainless steel Stainless steel	2	E3NC-LH03	
		+	ł	1			

Note: Applicable models that appear shaded come with the Mounting Brackets at left as accessories.

Slits

Model	Slit width	Installation procedure	Applicable type
E39-S39	Width 1 × 20 mm	Seal type	E3JM-10□4 (T)-N
E39-S61	Width 0.5, 1, 2, 4 × 11 mm		E3S-CT□1
E39-S63	0.5-mm dia., 1 mm		E3T-ST1□
E39-S64	0.5-mm dia., 1 mm		E3T-FT1□
E39-S65A	0.5 mm dia.		
E39-S65B	1-mm dia.	Plug-in type	
E39-S65C	2-mm dia.		E3Z-T□□
E39-S65D	Width 0.5 × 10 mm		E32-1
E39-S65E	Width 1 × 10 mm		
E39-S65F	Width 2 × 10 mm		
E39-S68	Width 0.5, 1 × 13.4 mm	Seal type	E32-T16P E32-T16PR
E39-S76A	0.5-mm dia.	Plug in type	E3T-ST□M
E39-S76B	1-mm dia.	Plug-in type	E31-31 LIVI

Applicable models that appear shaded come with the Slits at left as accessories

Reflectors (Refer to Dimensions on page 18.)

	Name	Refle	ectors	Non-fogging reflective plate		Reflectors		Special	Reflector for	ЕЗZМ-В
Item	Model	E39-R1	E39-R1S	E39-R1K	E39-R2	E39-R6	E39-R10	E39-RP1	E39-RSP1	E39-RP37
Directional ang	le		30° min. *1		30° min. *2			30° min.		
Ambient operatemperature ra				–25 to	55°C			−40 to 60°C	−25 to	55°C
Ambient storag		-40 to	70°C	−40 to 55°C		–40 to	o 70°C		0 to	40°C
Ambient opera humidity range				35% to 85%			35% to 95%		35% to 85%	
Ambient storage humidity range					35% to 95%				35% t	o 85%
Degree of prote	ection				IEC IP67				-	-
Accessories					-					Phillips screws M3 × 8, spring washers M3, nuts M3

^{*1. 40°} or higher for E3JM-R and E3JK-R. *2. 40° or higher for E3G-R.

	Name		Small re	eflector		Tape reflector *		
Item	Model	E39-R9	E39-R3	E39-R4	E39-R37-CA *	E39-RS1 E39-RS1-CA	E39-RS2 E39-RS2-CA	E39-RS3 E39-RS3-CA
Directional an	gle				30° min.			
Ambient operating temperature range -25 to 55°C								
Ambient stora temperature ra		-40 to 70°C 0 to 40°C						
Ambient opera humidity rang		35% to 95%	35% to 95% 35% to 85%					
Ambient stora humidity rang			35% to 95% 35% to 85%					
Degree of prof	tection	IEC IP67						
Accessories			Mounting Brack- ets E39-L104 (with screws)	<u></u>	Phillips screws M3 × 8, spring washers M3, nuts M3			

^{*} Models ending in the suffix "-CA" are reflectors only for E3T-SR4...

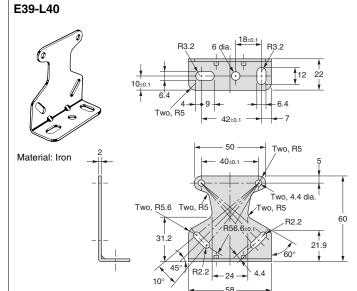
	Name	Laser Reflectors								
	Standard		dard	Short-distance transparent object detection	She	ets				
Item	Model	E39-R12	E39-R13	E39-R14	E39-RS4	E39-RS5				
Ambient op temperature				−10 to 55°C (No icing)						
Ambient sto temperature		−25 to 70°C (No icing)								
Ambient operating humidity range		35 to 85% (No condensation)								
Ambient sto		35 to 85% (No condensation)								

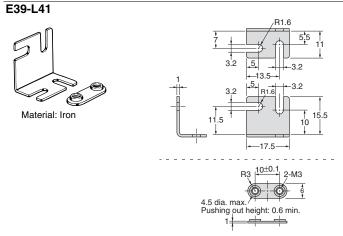
	Name	Laser Reflectors						
		Stan	dard	She	Sheets			
Item	Model	E39-R21 *	E39-R22 *	E39-RS10 *	E39-RS11 *			
Ambient operating temperature range		−10 to 55°C (No icing and no condensation)						
Ambient sto temperature	_		−25 to 70°C (No icing and no condensation)					
Ambient open humidity rar		35 to 85% (No condensation)						
Ambient sto humidity rar		35 to 85% (No condensation)						

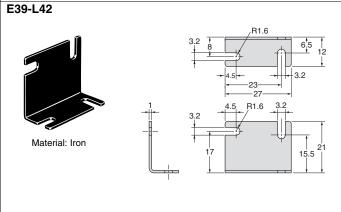
^{*} Models only for E3NC-LH03

Mounting Bracket Dimensions

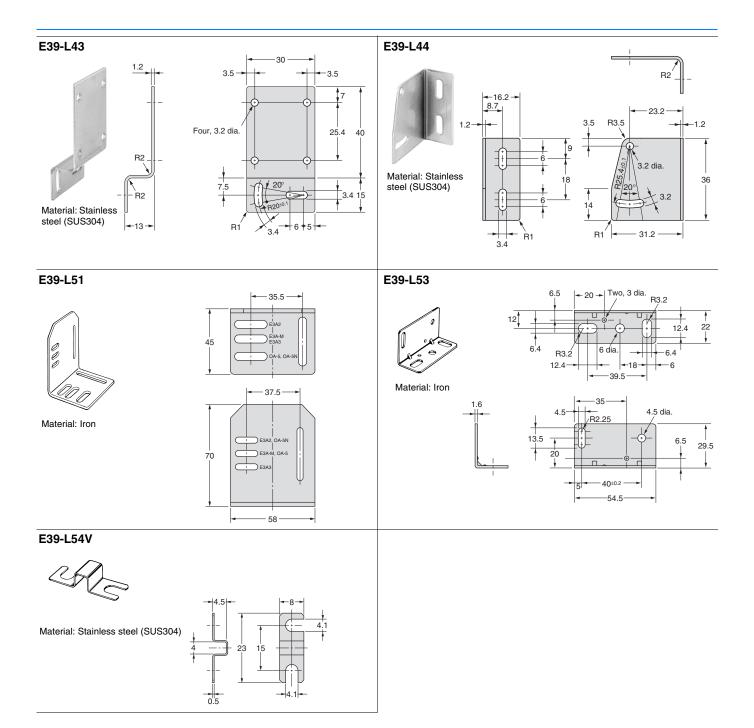
E39-L31 Four, R1.6 3.9 3.9 ⊢3.2 Material: Iron -12-R3 |-8-| Two, M3 4.5 dia. max. Pushing out height: 0.6 min.





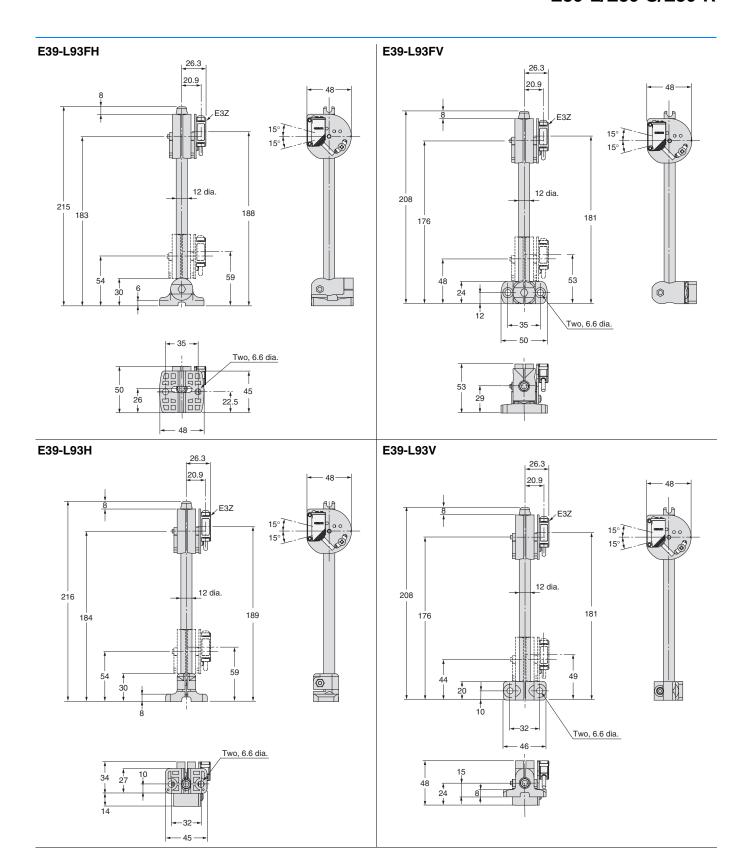


E39-L/E39-S/E39-R

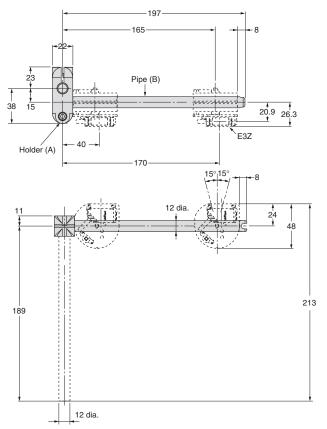


E39-L83 E39-L85 |+9.8+|--15.6− Six, R1.2 (44.7) 4.3 Two, R1.6 2.6-Material: Stainless steel (SUS304) 4.2 -31 3.2 -10 Material: Stainless steel (SUS304) 43.8 28.9 32.2 15.1 E39-L86 E39-L87 25.4 41 Material: Stainless steel (SUS304) Material: Stainless steel (SUS304) 43.7

E39-L/E39-S/E39-R

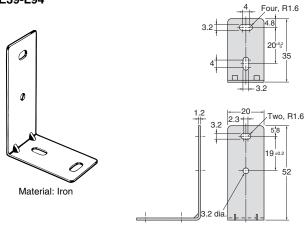


E39-L93XY



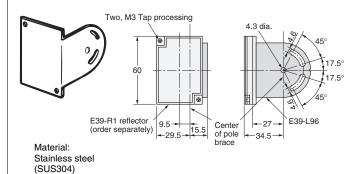
Note: The E39-L93XY consists of only the one joint holder (A) and pipe, and the two hexagonal bolts and nuts. It cannot be mounted to the Sensor alone.

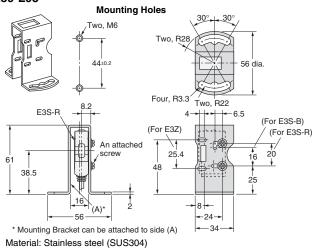
E39-L94



E39-L96

2-mm-thick





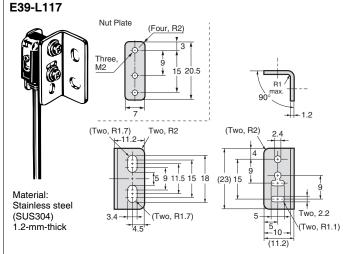
R3.5 | ←16 → Two, 3.2 dia.

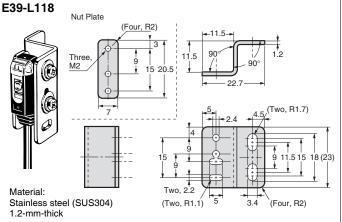
(39) 37.8

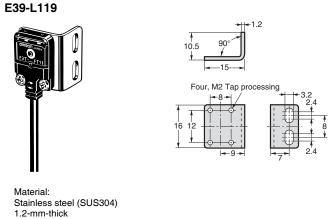
R1.6

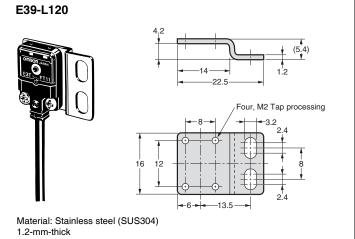
Material: Stainless steel (SUS304)

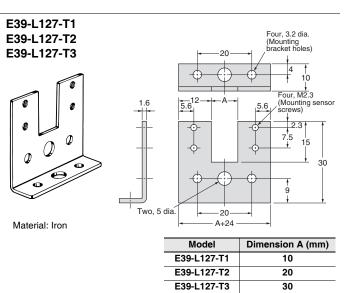
E39-L116 Nut Plate (Four, R2) (Two, R1.7) Three M2 (17.8)15 20.5 (Two, R2) (Two, R1.1) Material: Stainless steel (SUS304) (Two, R1.2) 1.2-mm-thick R1.5 max. E39-L118 Nut Plate (Four, R2) Three. M2



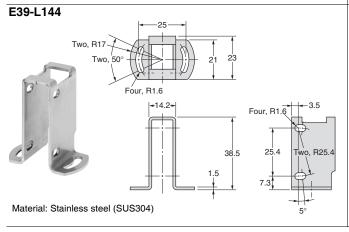


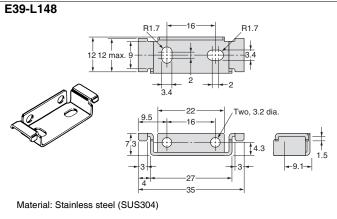


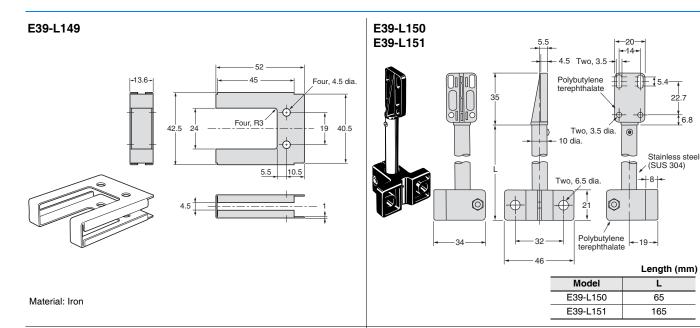


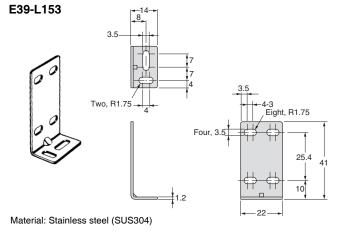


E39-L143 (10.3) (10.

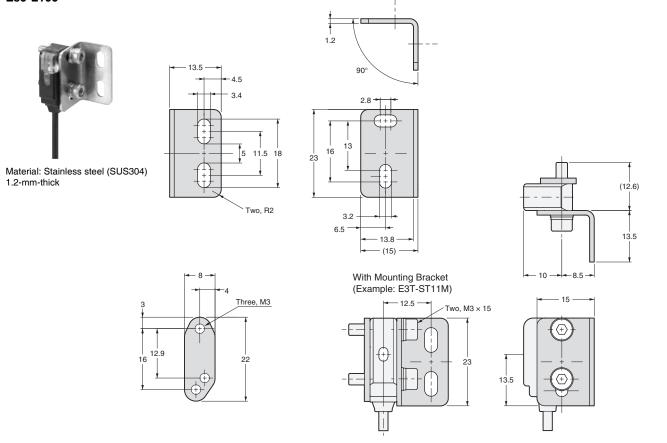


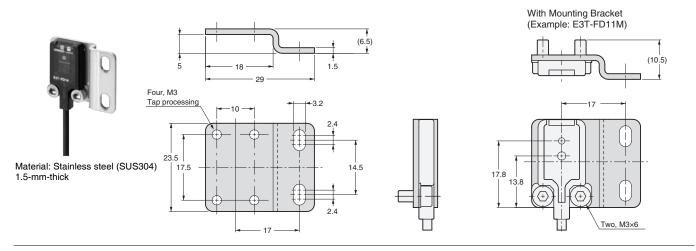




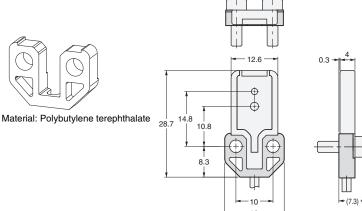


E39-L166



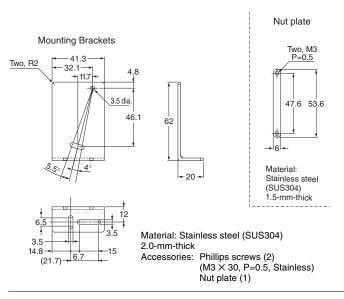


E39-L168

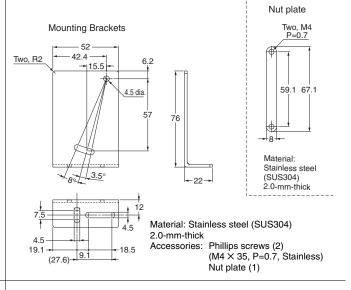


Note: Use this Spacer when mounting the Sensor from the back.

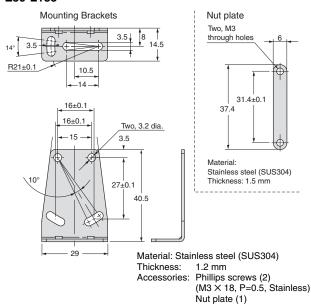
E39-L180

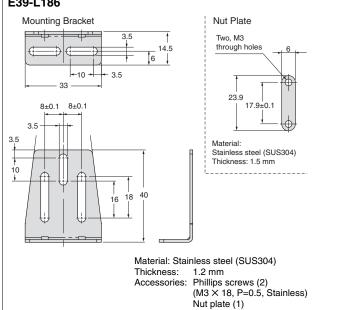


E39-L181

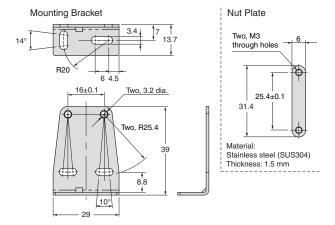


E39-L185





E39-L187

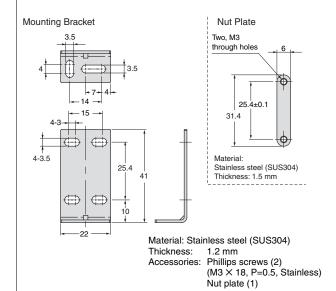


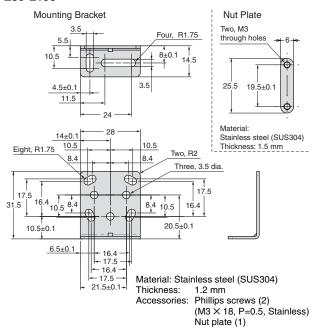
Material: Stainless steel (SUS304)

Thickness: 1.2 mm

Accessories: Phillips screws (2) (M3 × 18, P=0.5, Stainless) Nut plate (1)

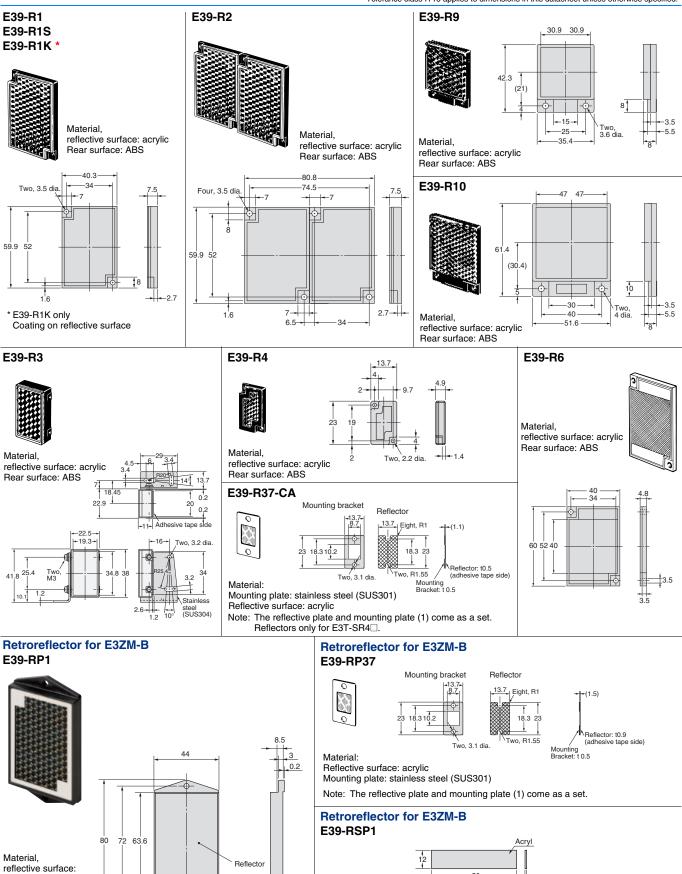
E39-L188



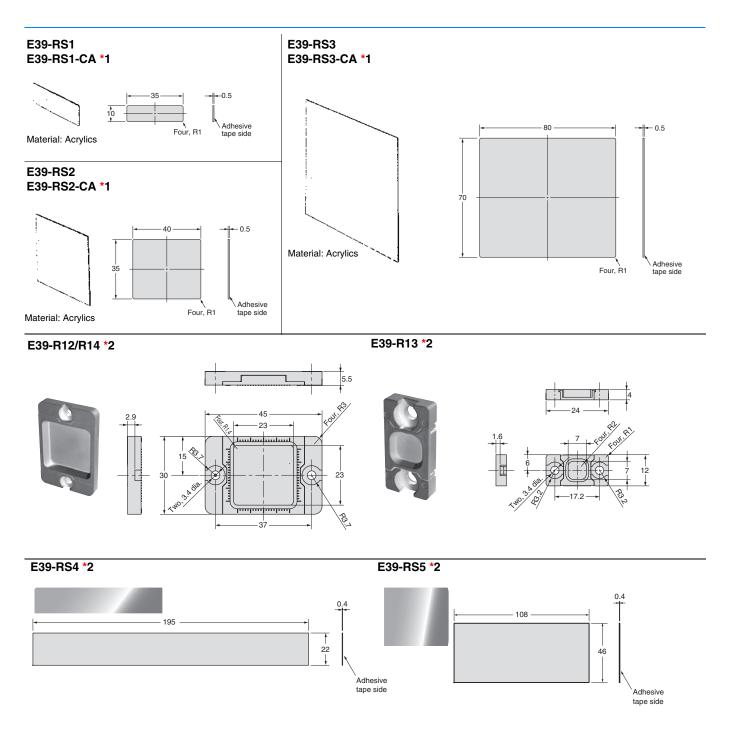


Reflector dimensions

acrylic Rear surface: ABS (Unit: mm)
Tolerance class IT16 applies to dimensions in this datasheet unless otherwise specified.



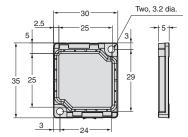
Two, 3.5 dia.



^{*1.} Models ending in the suffix "-CA" are reflectors only for E3T-SR4□.
*2. These Reflectors are for E3C-LDA-series Sensors. However, the E39-R12 can also be used with an E3Z-LR□ Retroreflective Laser Sensor.

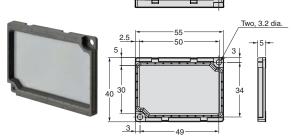
E39-R21 *3





Material, reflective surface: methacrylic resin (PMMA) Rear surface: Polybutylene terephthalate (PBT)

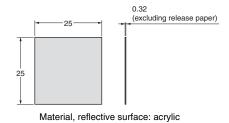
E39-R22 *3



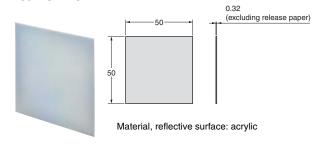
Material, reflective surface: methacrylic resin (PMMA) Rear surface: Polybutylene terephthalate (PBT)

E39-RS10 *3





E39-RS11 *3



^{*3.} Models only for E3NC-LH03

Terms and Conditions Agreement

Read and understand this catalog.

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2018.2

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