

The CAD data in the dimensions can be downloaded from the website:
panasonic-electric-works.net/sunx

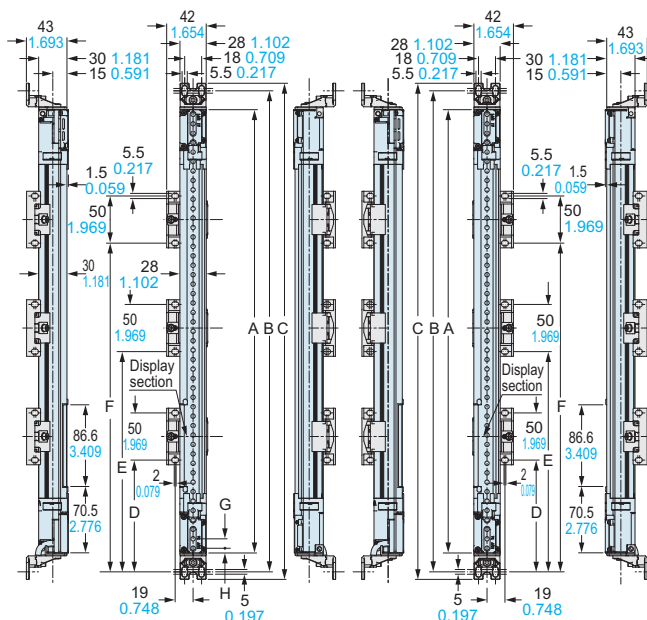
SF4B-□<V2>

Light curtain

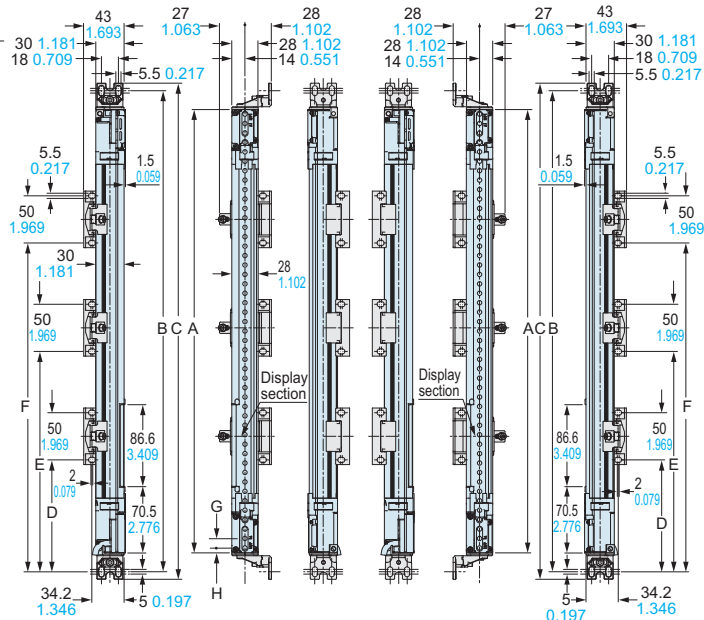
Assembly dimensions

Mounting drawing for the light curtain on which the standard mounting brackets **MS-SFB-1** (optional) and the intermediate supporting brackets are mounted.

<Rear mounting>



<Side mounting>



Emitter

Receiver

Emitter

Receiver

Model No.			Protective height (Main body length)	Mounting pitch	Total length	Intermediate supporting bracket mounting pitch		
			A	B	C	D	E	F
SF4B-F23□<V2>	SF4B-H12□<V2>	SF4B-A6□<V2>	230 9.055	270 10.630	286 11.260	—	—	—
SF4B-F31□<V2>	SF4B-H16□<V2>	SF4B-A8□<V2>	310 12.205	350 13.780	366 14.406	—	—	—
SF4B-F39□<V2>	SF4B-H20□<V2>	SF4B-A10□<V2>	390 15.354	430 16.929	446 17.559	—	—	—
SF4B-F47□<V2>	SF4B-H24□<V2>	SF4B-A12□<V2>	470 18.504	510 20.079	526 20.709	—	—	—
SF4B-F55□<V2>	SF4B-H28□<V2>	SF4B-A14□<V2>	550 21.654	590 23.228	606 23.858	—	—	—
SF4B-F63□<V2>	SF4B-H32□<V2>	SF4B-A16□<V2>	630 24.803	670 26.378	686 27.008	—	—	—
SF4B-F71□<V2>	SF4B-H36□<V2>	SF4B-A18□<V2>	710 27.953	750 29.528	766 30.157	—	—	—
SF4B-F79□<V2>	SF4B-H40□<V2>	SF4B-A20□<V2>	790 31.102	830 32.677	846 33.307	390 15.354	—	—
SF4B-F95□<V2>	SF4B-H48□<V2>	SF4B-A24□<V2>	950 37.402	990 38.976	1,006 39.606	470 18.504	—	—
SF4B-F111□<V2>	SF4B-H56□<V2>	SF4B-A28□<V2>	1,110 43.701	1,150 45.276	1,166 45.905	550 21.654	—	—
SF4B-F127□<V2>	SF4B-H64□<V2>	SF4B-A32□<V2>	1,270 50.000	1,310 51.575	1,326 52.505	418 16.457	842 33.150	—
—	SF4B-H72□<V2>	SF4B-A36□<V2>	1,430 56.299	1,470 57.874	1,486 58.504	472 18.583	948 37.323	—
—	SF4B-H80□<V2>	SF4B-A40□<V2>	1,590 62.598	1,630 64.173	1,646 64.803	525 20.669	1,055 41.535	—
—	SF4B-H88□<V2>	SF4B-A44□<V2>	1,750 68.898	1,790 70.472	1,806 71.102	433 17.047	870 34.252	1,308 51.496
—	SF4B-H96□<V2>	SF4B-A48□<V2>	1,910 75.197	1,950 76.772	1,966 77.401	473 18.622	950 37.402	1,428 56.220

Model No.	Beam pitch	First beam channel position
	G	H
SF4B-F□<V2>	10 0.394	5 0.197
SF4B-H□<V2>	20 0.787	5 0.197
SF4B-A□<V2>	40 1.575	15 0.591

DIMENSIONS (Unit: mm in)

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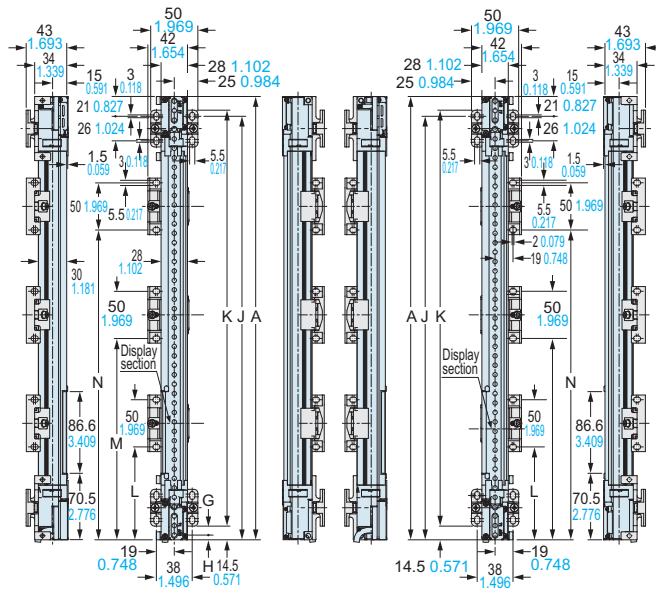
SF4B-□<V2>

Light curtain

Assembly dimensions

Mounting drawing for the light curtain on which the dead zoneless brackets **MS-SFB-3** (optional) and the intermediate supporting brackets are mounted.

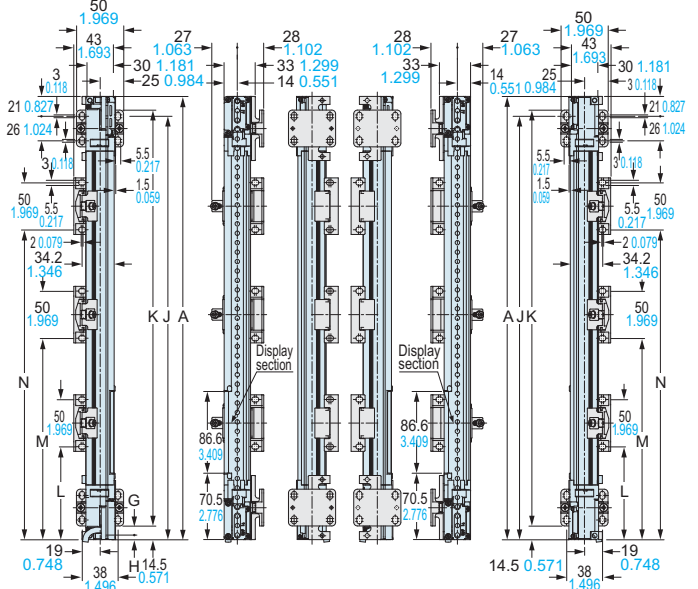
<Rear mounting>



Emitter

Receiver

<Side mounting>



Emitter

Receiver

Model No.			Protective height (Main body length)	Mounting pitch	Total length	Intermediate supporting bracket mounting pitch		
			A	J	K	L	M	N
SF4B-F23□<V2>	SF4B-H12□<V2>	SF4B-A6□<V2>	230 9.055	209 8.228	201 7.913	—	—	—
SF4B-F31□<V2>	SF4B-H16□<V2>	SF4B-A8□<V2>	310 12.205	289 11.378	281 11.063	—	—	—
SF4B-F39□<V2>	SF4B-H20□<V2>	SF4B-A10□<V2>	390 15.354	369 14.528	361 14.213	—	—	—
SF4B-F47□<V2>	SF4B-H24□<V2>	SF4B-A12□<V2>	470 18.504	449 17.677	441 17.362	—	—	—
SF4B-F55□<V2>	SF4B-H28□<V2>	SF4B-A14□<V2>	550 21.654	529 20.827	521 20.512	—	—	—
SF4B-F63□<V2>	SF4B-H32□<V2>	SF4B-A16□<V2>	630 24.803	609 23.976	601 23.661	—	—	—
SF4B-F71□<V2>	SF4B-H36□<V2>	SF4B-A18□<V2>	710 27.953	689 27.126	681 26.811	—	—	—
SF4B-F79□<V2>	SF4B-H40□<V2>	SF4B-A20□<V2>	790 31.102	769 30.276	761 29.961	370 14.567	—	—
SF4B-F95□<V2>	SF4B-H48□<V2>	SF4B-A24□<V2>	950 37.402	929 36.575	921 36.260	450 17.717	—	—
SF4B-F111□<V2>	SF4B-H56□<V2>	SF4B-A28□<V2>	1,110 43.701	1,089 42.874	1,081 42.559	530 20.866	—	—
SF4B-F127□<V2>	SF4B-H64□<V2>	SF4B-A32□<V2>	1,270 50.000	1,249 49.173	1,241 48.858	398 15.669	822 32.362	—
—	SF4B-H72□<V2>	SF4B-A36□<V2>	1,430 56.299	1,409 55.472	1,401 55.157	452 17.795	928 36.535	—
—	SF4B-H80□<V2>	SF4B-A40□<V2>	1,590 62.598	1,569 61.772	1,561 61.457	505 19.882	1,035 40.748	—
—	SF4B-H88□<V2>	SF4B-A44□<V2>	1,750 68.898	1,729 68.071	1,721 67.756	413 16.260	850 33.465	1,288 50.709
—	SF4B-H96□<V2>	SF4B-A48□<V2>	1,910 75.197	1,889 74.370	1,881 74.055	453 17.835	930 36.614	1,408 55.433

Model No.	Beam pitch	First beam channel position
	G	H
SF4B-F□<V2>	10 0.394	5 0.197
SF4B-H□<V2>	20 0.787	5 0.197
SF4B-A□<V2>	40 1.575	15 0.591

SF4B-□

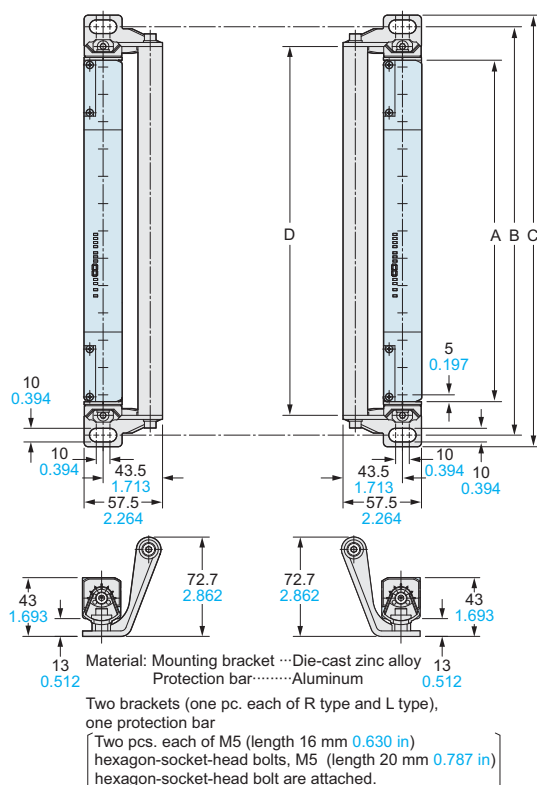
Light curtain

Protection bar set MC-SFBH-□ assembly dimensions

Mounting drawing for the light curtain on which the front protection unit (**MC-SFBH-□**) is mounted.

<MC-SFBH-□(L)>

<MC-SFBH-□(R)>



Model No.	Applicable light curtain model No.			A	B	C	D
MC-SFBH-12(-T)	SF4B-F23□<V2>	SF4B-H12□<V2>	SF4B-A6□<V2>	230 9.055	279 10.984	296 11.654	250 9.843
MC-SFBH-16(-T)	SF4B-F31□<V2>	SF4B-H16□<V2>	SF4B-A8□<V2>	310 12.205	359 14.134	376 14.803	330 12.991
MC-SFBH-20(-T)	SF4B-F39□<V2>	SF4B-H20□<V2>	SF4B-A10□<V2>	390 15.354	439 17.283	456 17.953	410 16.142
MC-SFBH-24(-T)	SF4B-F47□<V2>	SF4B-H24□<V2>	SF4B-A12□<V2>	470 18.504	519 20.433	536 21.102	490 19.291
MC-SFBH-28(-T)	SF4B-F55□<V2>	SF4B-H28□<V2>	SF4B-A14□<V2>	550 21.654	599 23.583	616 24.252	570 22.441
MC-SFBH-32(-T)	SF4B-F63□<V2>	SF4B-H32□<V2>	SF4B-A16□<V2>	630 24.803	679 26.732	696 27.402	650 25.591
MC-SFBH-36(-T)	SF4B-F71□<V2>	SF4B-H36□<V2>	SF4B-A18□<V2>	710 27.953	759 29.882	776 30.551	730 28.740
MC-SFBH-40(-T)	SF4B-F79□<V2>	SF4B-H40□<V2>	SF4B-A20□<V2>	790 31.102	839 33.031	856 33.701	810 31.890
MC-SFBH-48(-T)	SF4B-F95□<V2>	SF4B-H48□<V2>	SF4B-A24□<V2>	950 37.402	999 39.331	1,016 40.000	970 38.189
MC-SFBH-56(-T)	SF4B-F111□<V2>	SF4B-H56□<V2>	SF4B-A28□<V2>	1,110 43.701	1,159 45.630	1,176 46.299	1,130 44.488
MC-SFBH-64(-T)	SF4B-F127□<V2>	SF4B-H64□<V2>	SF4B-A32□<V2>	1,270 50.000	1,319 51.929	1,336 52.598	1,290 50.787
MC-SFBH-72(-T)	——	SF4B-H72□<V2>	SF4B-A36□<V2>	1,430 56.299	1,479 58.228	1,496 58.898	1,450 57.087
MC-SFBH-80(-T)	——	SF4B-H80□<V2>	SF4B-A40□<V2>	1,590 62.598	1,639 64.527	1,656 65.197	1,610 63.386
MC-SFBH-88(-T)	——	SF4B-H88□<V2>	SF4B-A44□<V2>	1,750 68.898	1,799 70.827	1,816 71.496	1,770 69.685
MC-SFBH-96(-T)	——	SF4B-H96□<V2>	SF4B-A48□<V2>	1,910 75.197	1,959 77.126	1,976 77.795	1,930 75.984

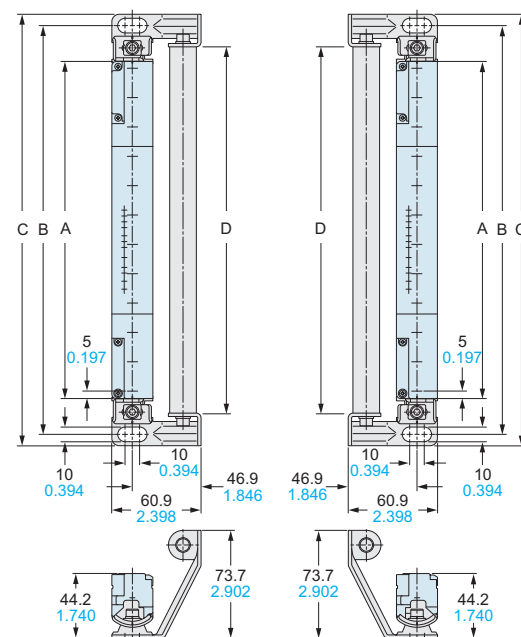
Protection bar set for rear / side mounting MC-SFBH-□-T assembly dimensions

Mounting drawing for the light curtain on which the front protection unit (**MC-SFBH-□-T**) is mounted.

Rear mounting

<MC-SFBH-□-T(L)>

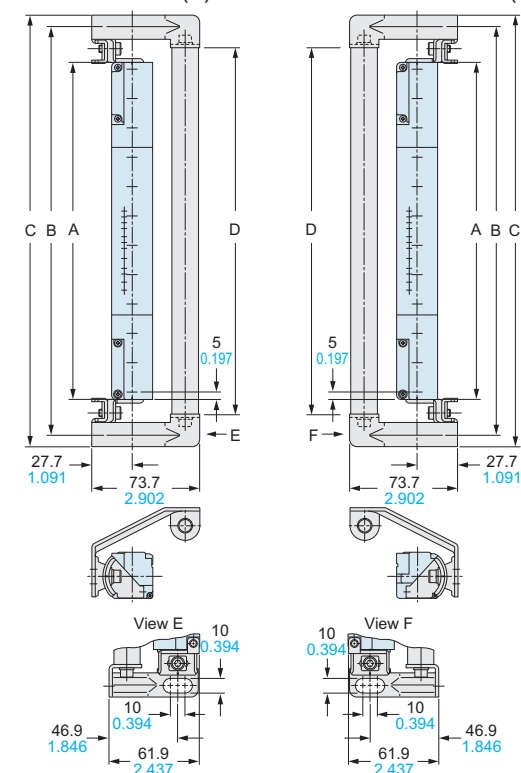
<MC-SFBH-□-T(R)>



Side mounting

<MC-SFBH-□-T(L)>

<MC-SFBH-□-T(R)>



Material: Mounting bracketIron (Trivalent chrome plated)
Protection bar.....Aluminum

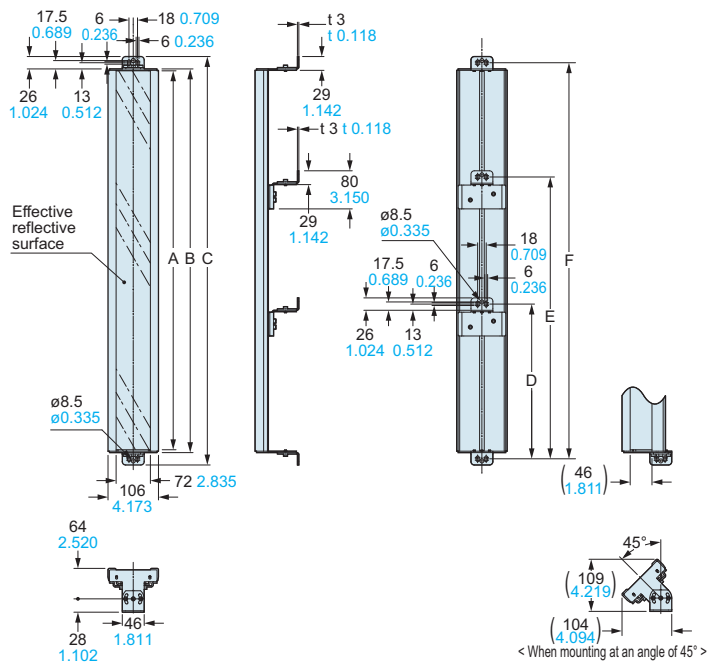
Two brackets (one pc. each of R type and L type),

Two pcs. each of M5 (length 18 mm **0.709 in**) hexagon-socket-head bolts, M5 (length 20 mm **0.787 in**) hexagon-socket-head bolt are attached.

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RF-SFBH-□

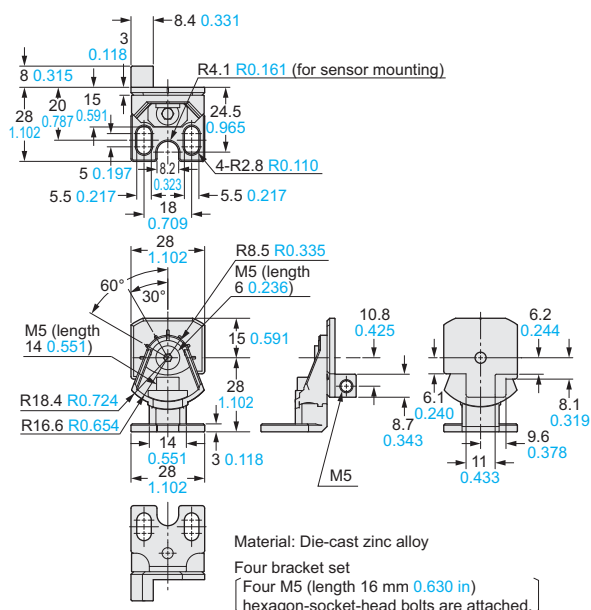
Corner mirror (Optional)



Model No.	A	B	C	D	E	F	Net weight
RF-SFBH-12	236 9.291	246 9.685	298 11.732	—	—	272 10.709	970 g approx.
RF-SFBH-16	316 12.441	326 12.835	378 14.882	—	—	352 13.858	1,170 g approx.
RF-SFBH-20	396 15.591	406 15.984	458 18.031	—	—	432 17.008	1,370 g approx.
RF-SFBH-24	476 18.740	486 19.134	538 21.181	—	—	512 20.157	1,570 g approx.
RF-SFBH-28	556 21.890	566 22.283	618 24.331	—	—	592 23.307	1,770 g approx.
RF-SFBH-32	636 25.039	646 25.433	698 27.480	—	—	672 26.457	1,970 g approx.
RF-SFBH-36	716 28.189	726 28.583	778 30.630	—	—	752 29.606	2,170 g approx.
RF-SFBH-40	796 31.339	806 31.732	858 33.779	458 ±50 18.031 ±1.969	—	832 32.756	2,660 g approx.
RF-SFBH-48	956 37.638	966 38.031	1,018 40.079	538 ±50 21.181 ±1.969	—	992 39.055	3,060 g approx.
RF-SFBH-56	1,116 43.937	1,126 44.331	1,178 46.378	618 ±50 24.331 ±1.969	—	1,152 45.354	3,460 g approx.
RF-SFBH-64	1,276 50.236	1,286 50.630	1,338 52.677	698 ±50 27.480 ±1.969	—	1,312 51.653	3,890 g approx.
RF-SFBH-72	1,436 56.535	1,446 56.929	1,498 58.976	538 ±50 21.181 ±1.969	1,018 ±50 40.079 ±1.969	1,472 57.953	4,550 g approx.
RF-SFBH-80	1,596 62.835	1,606 63.228	1,658 65.275	591 ±50 23.268 ±1.969	1,125 ±50 44.291 ±1.969	1,632 64.252	4,950 g approx.
RF-SFBH-88	1,756 69.134	1,766 69.527	1,818 71.575	645 ±50 25.394 ±1.969	1,231 ±50 48.464 ±1.969	1,792 70.551	5,350 g approx.
RF-SFBH-96	1,916 75.433	1,926 75.827	1,978 77.874	698 ±50 27.480 ±1.969	1,338 ±50 52.677 ±1.969	1,952 76.850	5,750 g approx.

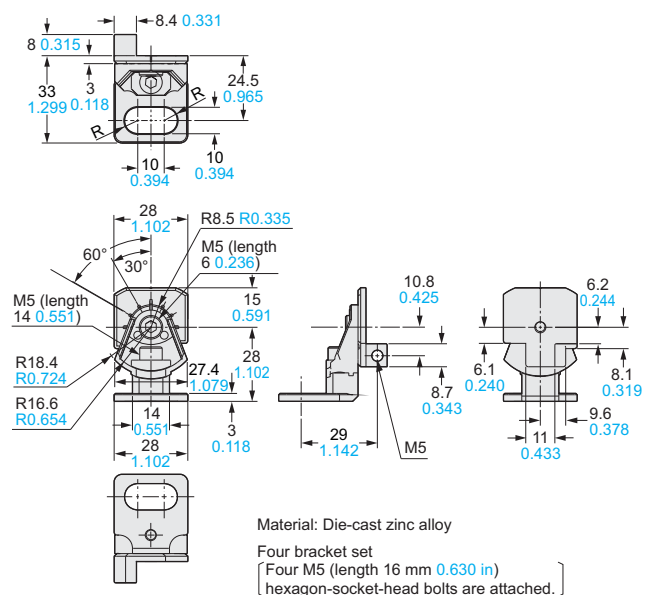
MS-SFB-1

Standard mounting bracket (Optional)



MS-SFB-1-T

M8 mounting bracket (Optional)

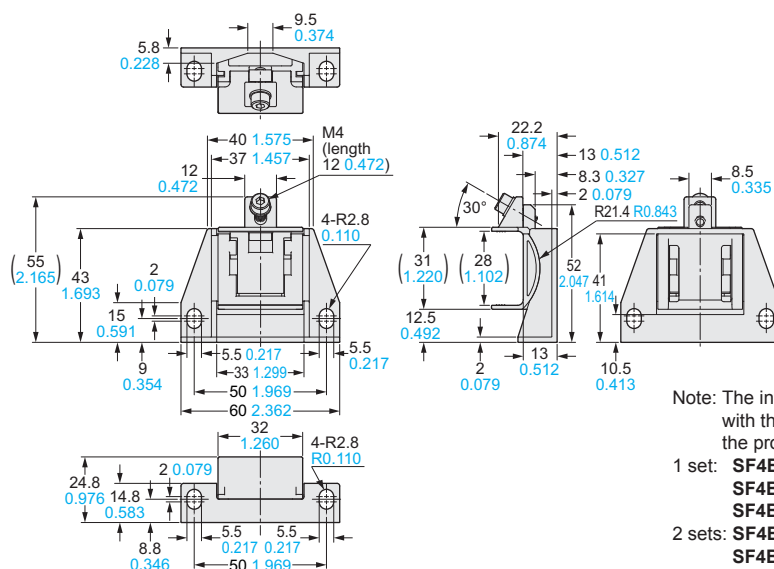


DIMENSIONS (Unit: mm in)

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MS-SFB-2

Intermediate supporting bracket (Accessory for light curtain)



Material: Die-cast zinc alloy

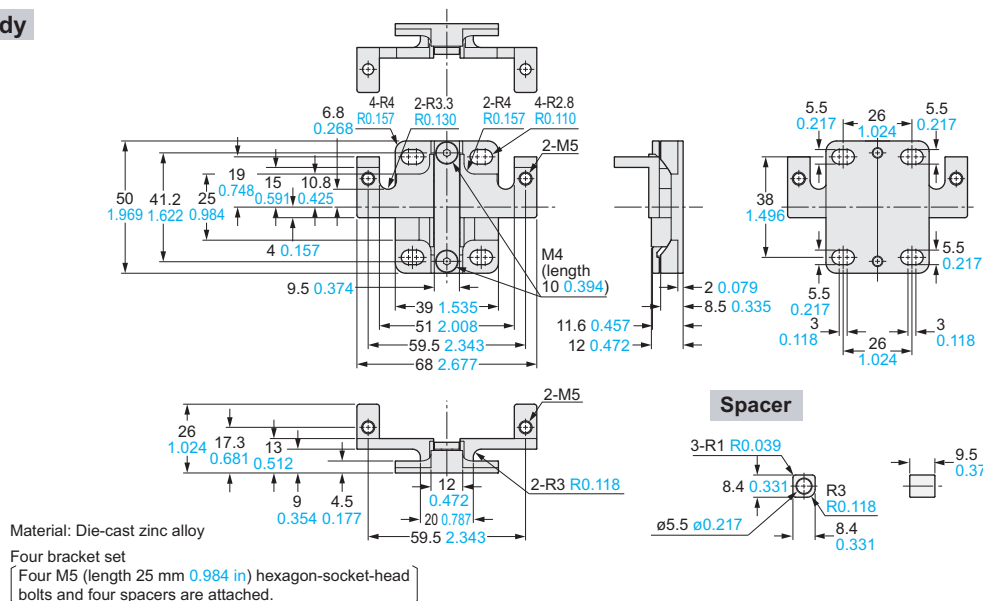
Note: The intermediate supporting bracket (MS-SFB-2) is enclosed with the following products. The quantity differs depending on the product as shown below:

- 1 set: SF4B-F□<V2> ... Light curtain with 79 to 111 beam channels
- SF4B-H□<V2> ... Light curtain with 40 to 56 beam channels
- SF4B-A□<V2> ... Light curtain with 20 to 28 beam channels
- 2 sets: SF4B-F127<V2>
- SF4B-H□<V2> ... Light curtain with 64 to 80 beam channels
- SF4B-A□<V2> ... Light curtain with 32 to 40 beam channels
- 3 sets: SF4B-H□<V2> ... Light curtain with 88 to 96 beam channels
- SF4B-A□<V2> ... Light curtain with 44 to 48 beam channels

MS-SFB-3

Dead zoneless mounting bracket (Optional)

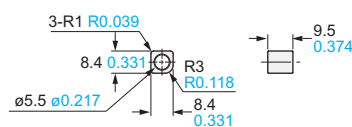
Main body



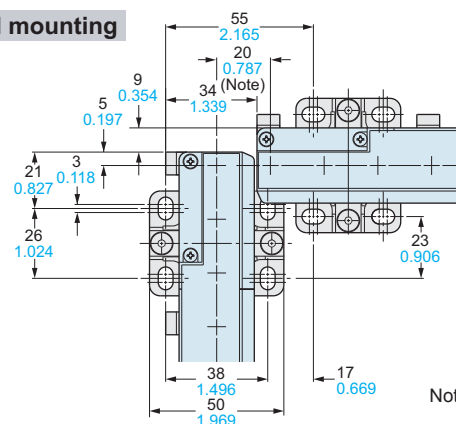
Material: Die-cast zinc alloy

Four bracket set
[Four M5 (length 25 mm 0.984 in) hexagon-socket-head bolts and four spacers are attached.]

Spacer

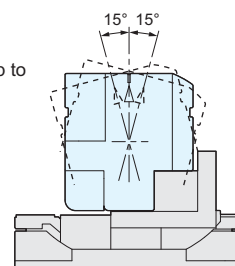


L-shaped mounting



Mounting adjustment range

The adjustment range of the light curtain angle is up to ± 15 degrees.



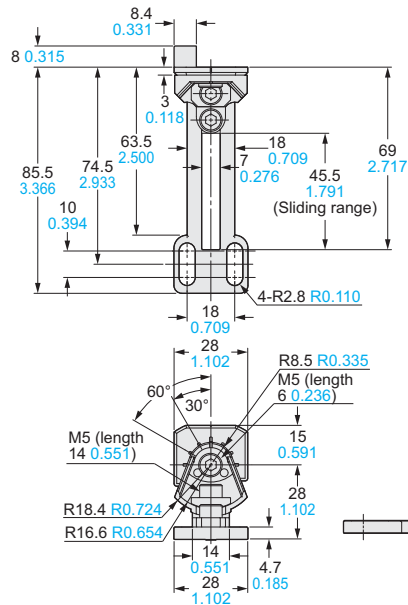
Note: The finger protection type has a beam pitch of 10 mm 0.394 in, which produces a dead zone. Additional measures will be required, such as using a protection cover.

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MS-SFB-4

Pitch adapter bracket (Optional)

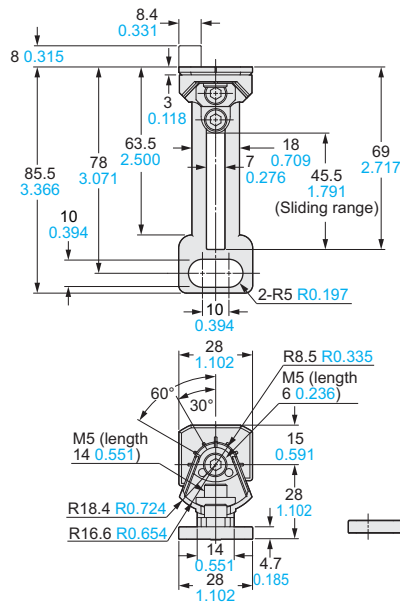


Material: Die-cast zinc alloy

Four bracket set
 [Four M5 (length 16 mm 0.630 in)
 hexagon-socket-head bolts are attached.]

MS-SFB-4-T

M8 pitch adapter bracket (Optional)

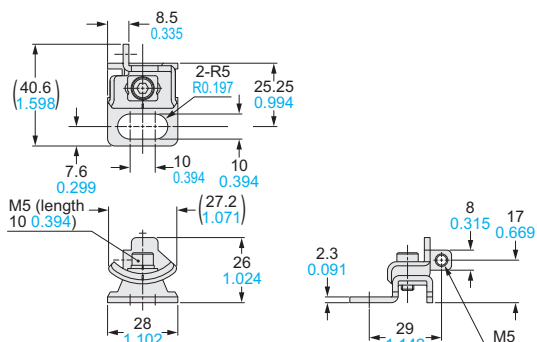


Material: Die-cast zinc alloy

Four bracket set
 [Four M5 (length 16 mm 0.630 in)
 hexagon-socket-head bolts are attached.]

MS-SFB-7-T MS-SFB-1-T2 (Rear mounting)

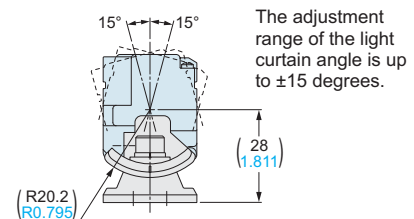
M8 rear mounting bracket (Optional) M8 rear / side mounting brackets set (Optional)



Material: Iron (Trivalent chrome plated)

Four bracket set
 [Four M5 (length 18 mm 0.709 in)
 hexagon-socket-head bolts are attached.]

Mounting adjustment range



The adjustment range of the light curtain angle is up to ± 15 degrees.

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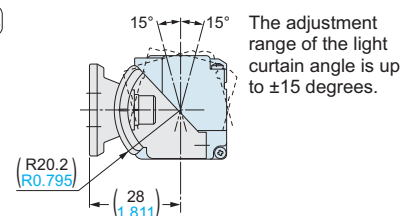
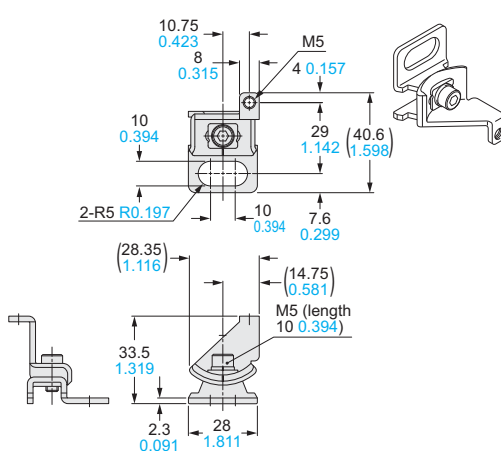
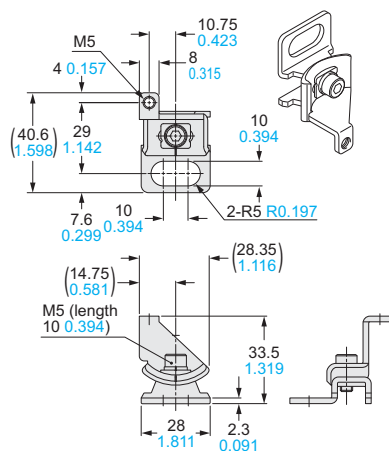
MS-SFB-8-T MS-SFB-1-T2 (Side mounting)

M8 side mounting bracket (Optional) M8 rear / side mounting brackets set (Optional)

<MS-SFB-8-T(R)>

<MS-SFB-8-T(L)>

Mounting adjustment range

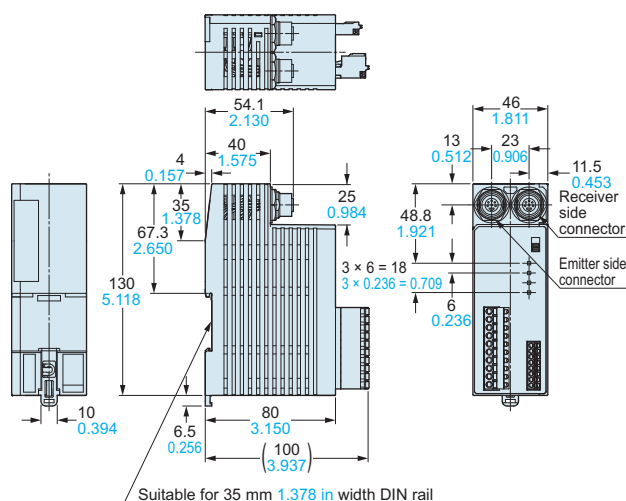


Material: Iron (Trivalent chrome plated)

Four bracket
(two pcs. each of R type and L type) set
[Four M5 (length 18 mm 0.709 in)
hexagon-socket-head bolts are attached.]

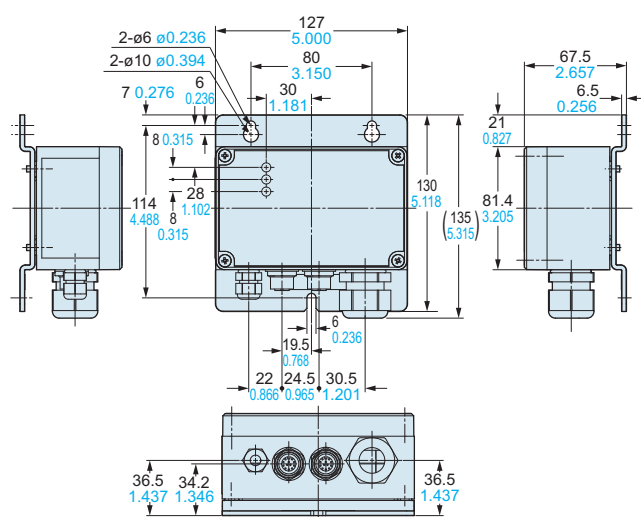
SF-C11

Control unit (Optional)



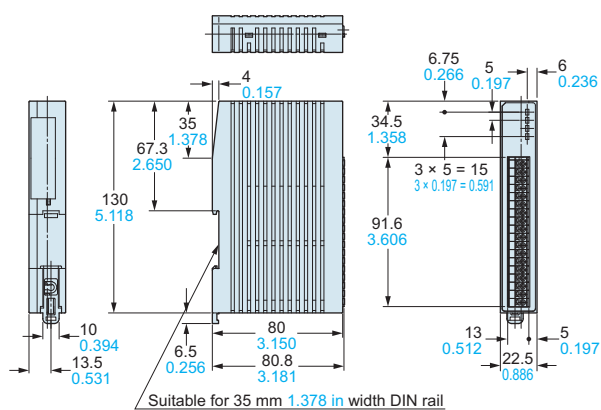
SF-C12

Control unit (Optional)



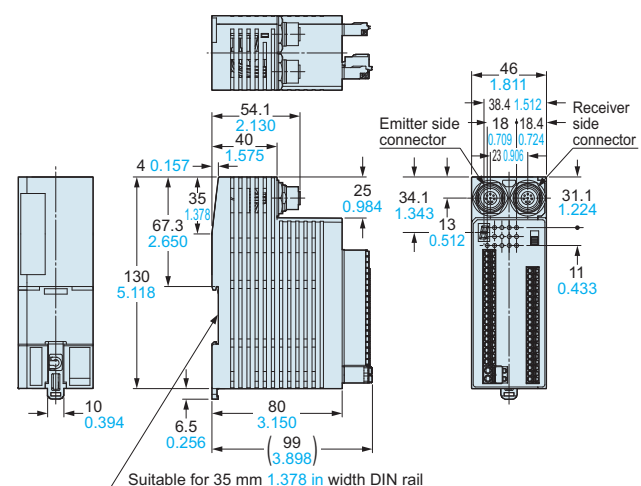
SF-C13

Control unit (Optional)



SF-C14EX(-01)

Application expansion unit (Optional)

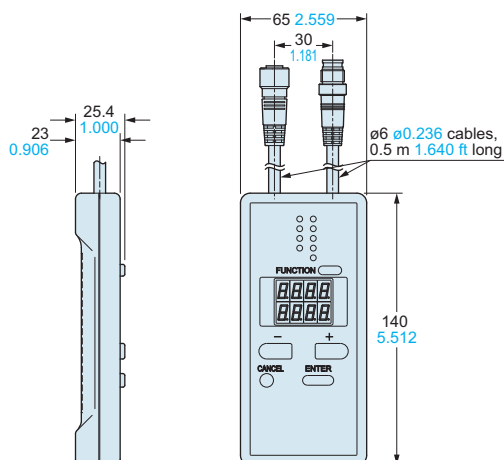


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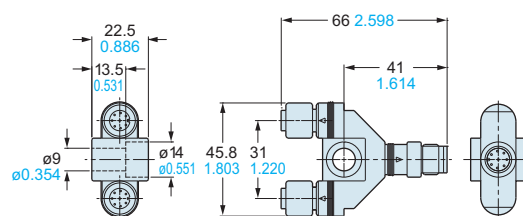
SFB-HC

Handy-controller (Optional)



SFB-WY1

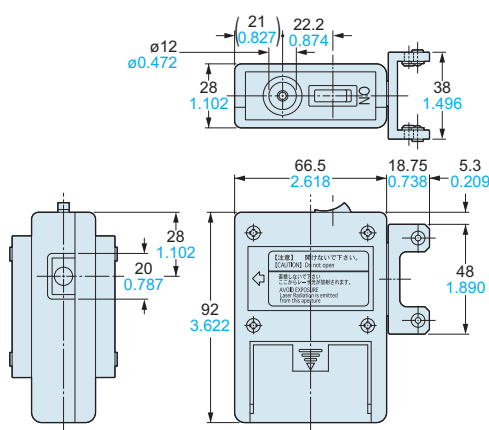
Y-shaped connector



Net weight: 35 g approx.

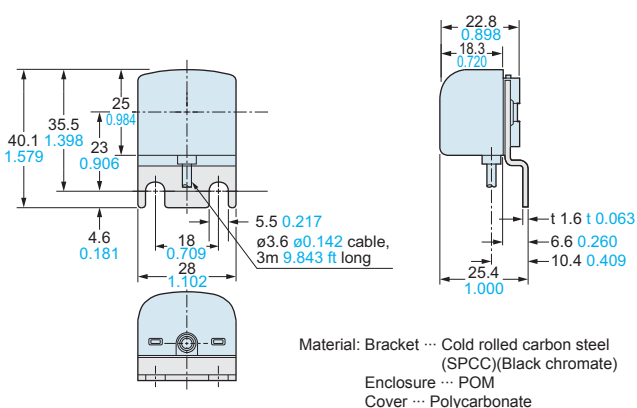
SF-LAT-2N

Laser alignment tool (Optional)



SF-IND-2

Large display unit for light curtain (Optional)



Please contact

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