

DIMENSIONS (Unit: mm in)

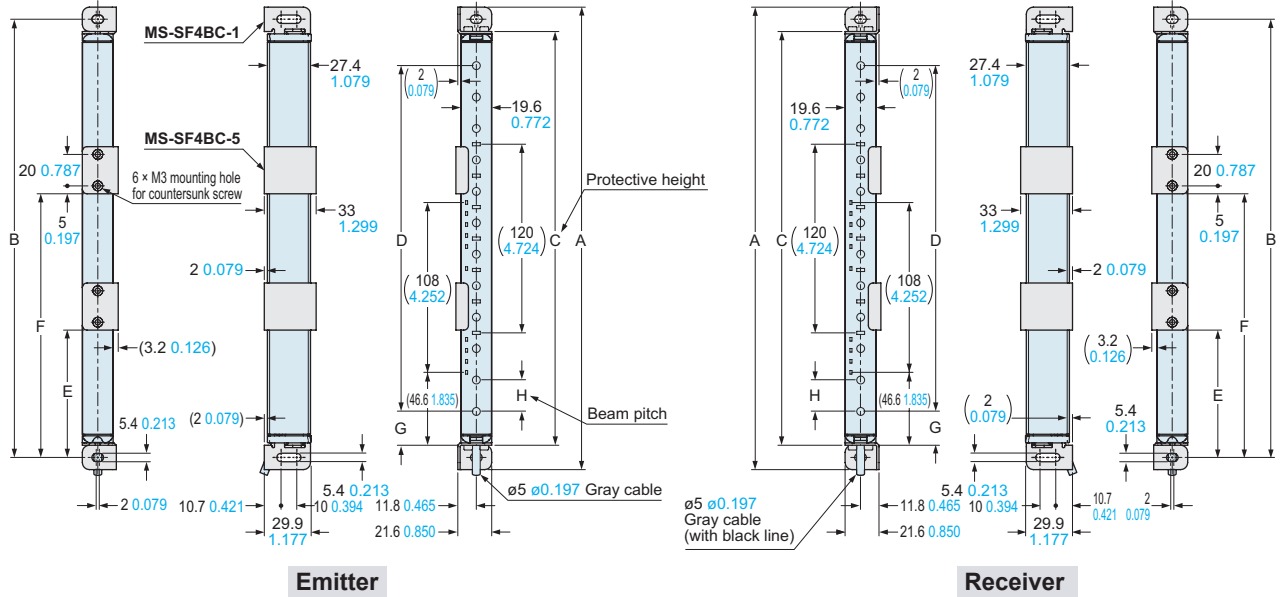
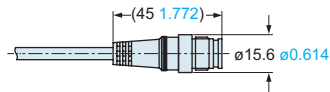
The CAD data in the dimensions can be downloaded from our website.

SF4B-□CA-J05 SF4B-□C

Light curtain

Assembly dimensions

The figure depicts rear mounting using the standard mounting bracket **MS-SF4BC-1** (optional) and the intermediate supporting bracket for use with the standard mounting bracket **MS-SF4BC-5** (optional).

**<Connector of the pigtailed type (with muting function) SF4B-□CA-J05>**

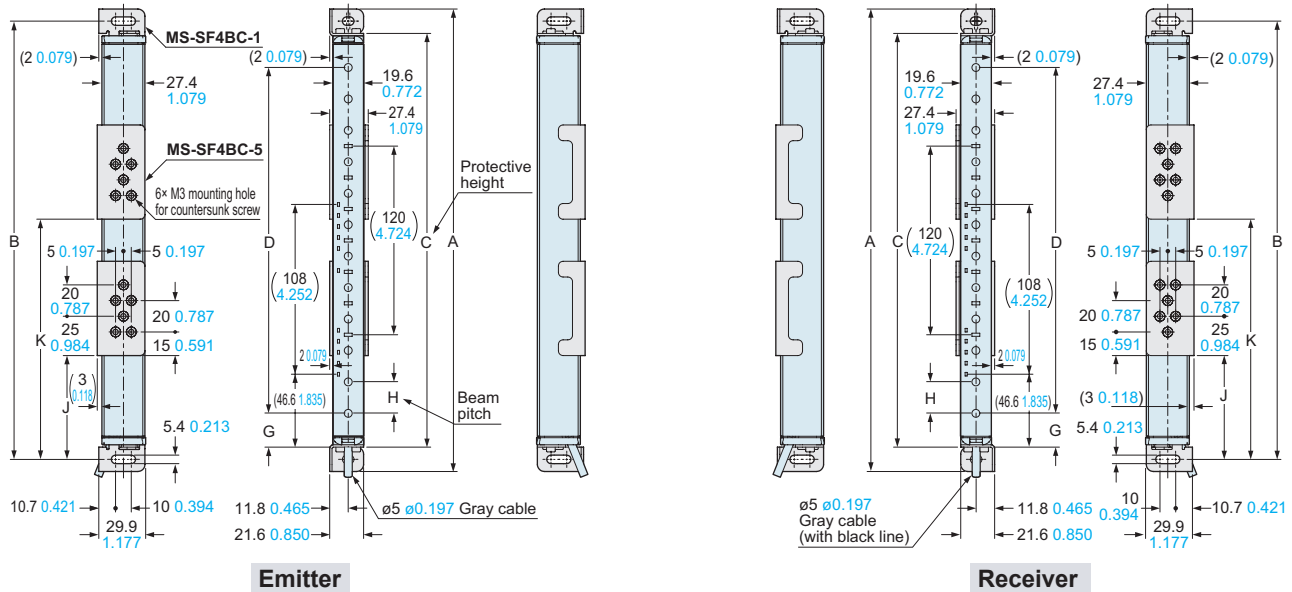
Model No.		A	B	C	D		E	F
					SF4B-H□C (A-J05)	SF4B-A□C (A-J05)		
SF4B-H12C (A-J05)	—	294.4 11.591	279 10.984	263.4 10.370	220 8.661	—	—	—
SF4B-H16C (A-J05)	SF4B-A8C (A-J05)	374.4 14.740	359 14.134	343.4 13.520	300 11.811	280 11.024	—	—
SF4B-H20C (A-J05)	—	454.4 17.890	439 17.283	423.4 16.669	380 14.961	—	—	—
SF4B-H24C (A-J05)	SF4B-A12C (A-J05)	534.4 21.039	519 20.433	503.4 19.819	460 18.110	440 17.323	—	—
SF4B-H28C (A-J05)	—	614.4 24.189	599 23.583	583.4 22.969	540 21.260	—	—	—
SF4B-H32C (A-J05)	SF4B-A16C (A-J05)	694.4 27.339	679 26.732	663.4 26.118	620 24.409	600 23.622	—	—
SF4B-H36C (A-J05)	—	774.4 30.488	759 29.882	743.4 29.268	700 27.559	—	—	—
SF4B-H40C (A-J05)	SF4B-A20C (A-J05)	854.4 33.638	839 33.031	823.4 32.417	780 30.709	760 29.921	395 15.551	—
SF4B-H48C (A-J05)	SF4B-A24C (A-J05)	1,014.4 39.937	999 39.331	983.4 38.717	940 37.008	920 36.220	475 18.701	—
SF4B-H56C (A-J05)	SF4B-A28C (A-J05)	1,174.4 46.236	1,159 45.630	1,143.4 45.016	1,100 43.307	1,080 42.520	555 21.850	—
SF4B-H64C (A-J05)	SF4B-A32C (A-J05)	1,334.4 52.535	1,319 51.929	1,303.4 51.315	1,260 49.606	1,240 48.819	415 16.339	854 33.622
SF4B-H72C (A-J05)	SF4B-A36C (A-J05)	1,494.4 58.835	1,479 58.228	1,463.4 57.614	1,420 55.906	1,400 55.118	468 18.425	961 37.835
SF4B-H80C (A-J05)	SF4B-A40C (A-J05)	1,654.4 65.134	1,639 64.528	1,623.4 63.913	1,580 62.205	1,580 62.205	521 20.512	1,068 42.047
Model No.		G	H					
SF4B-H□C (A-J05)		21.7 0.854	20 0.787					
SF4B-A□C (A-J05)		41.7 1.642	40 1.575					

SF4B-□CA-J05 SF4B-□C

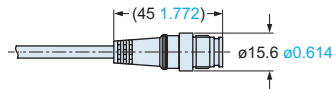
Light curtain

Assembly dimensions

The figure depicts side mounting using the standard mounting bracket **MS-SF4BC-1** (optional) and the intermediate supporting bracket for use with the standard mounting bracket **MS-SF4BC-5** (optional).



<Connector of the pigtailed type (with muting function) SF4B-□CA-J05>



Model No.		A	B	C	D		J	K
					SF4B-H□C (A-J05)	SF4B-A□C (A-J05)		
SF4B-H12C (A-J05)	—	294.4 11.591	279 10.984	263.4 10.370	220 8.661	—	—	—
SF4B-H16C (A-J05)	SF4B-A8C (A-J05)	374.4 14.740	359 14.134	343.4 13.520	300 11.811	280 11.024	—	—
SF4B-H20C (A-J05)	—	454.4 17.890	439 17.283	423.4 16.669	380 14.961	—	—	—
SF4B-H24C (A-J05)	SF4B-A12C (A-J05)	534.4 21.039	519 20.433	503.4 19.819	460 18.110	440 17.323	—	—
SF4B-H28C (A-J05)	—	614.4 24.189	599 23.583	583.4 22.969	540 21.260	—	—	—
SF4B-H32C (A-J05)	SF4B-A16C (A-J05)	694.4 27.339	679 26.732	663.4 26.118	620 24.409	600 23.622	—	—
SF4B-H36C (A-J05)	—	774.4 30.488	759 29.882	743.4 29.268	700 27.559	—	—	—
SF4B-H40C (A-J05)	SF4B-A20C (A-J05)	854.4 33.638	839 33.031	823.4 32.417	780 30.709	760 29.921	390 15.354	—
SF4B-H48C (A-J05)	SF4B-A24C (A-J05)	1,014.4 39.937	999 39.331	983.4 38.717	940 37.008	920 36.220	470 18.504	—
SF4B-H56C (A-J05)	SF4B-A28C (A-J05)	1,174.4 46.236	1,159 45.630	1,143.4 45.016	1,100 43.307	1,080 42.520	550 21.654	—
SF4B-H64C (A-J05)	SF4B-A32C (A-J05)	1,334.4 52.535	1,319 51.929	1,303.4 51.315	1,260 49.606	1,240 48.819	410 16.142	849 33.425
SF4B-H72C (A-J05)	SF4B-A36C (A-J05)	1,494.4 58.835	1,479 58.228	1,463.4 57.614	1,420 55.906	1,400 55.118	463 18.228	956 37.638
SF4B-H80C (A-J05)	SF4B-A40C (A-J05)	1,654.4 65.134	1,639 64.528	1,623.4 63.913	1,580 62.205	1,580 62.205	516 20.315	1,063 41.850

Model No.	G	H
SF4B-H□C (A-J05)	21.7 0.854	20 0.787
SF4B-A□C (A-J05)	41.7 1.642	40 1.575

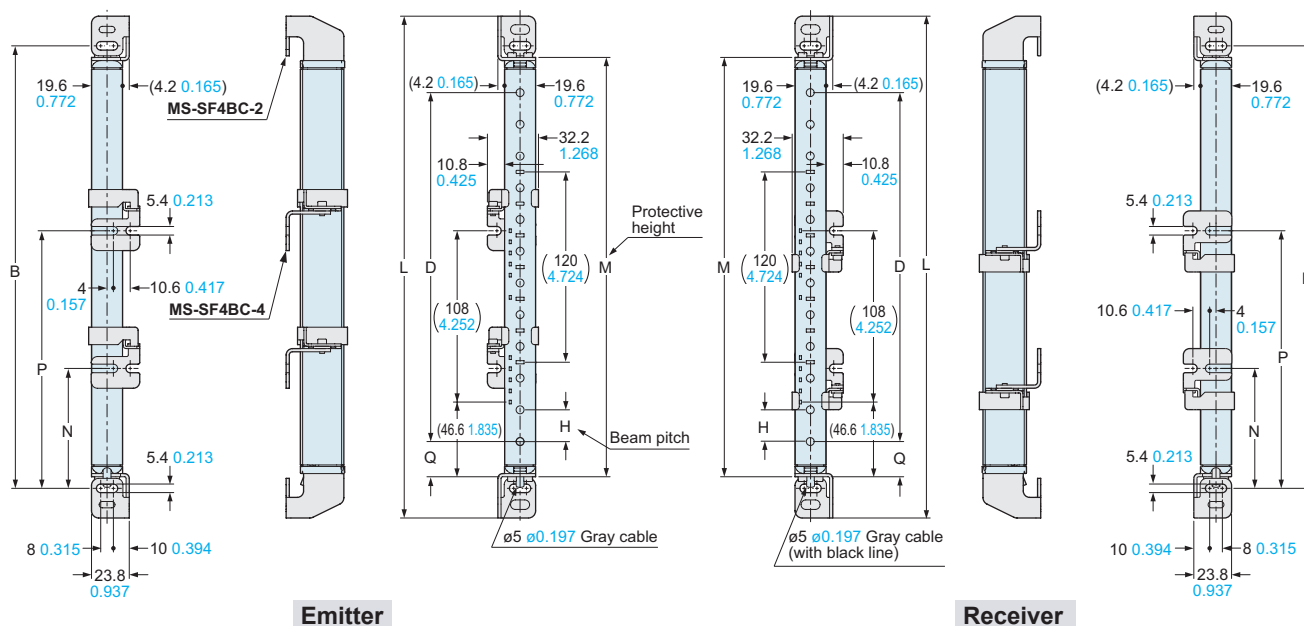
DIMENSIONS (Unit: mm in)

The CAD data in the dimensions can be downloaded from our website.

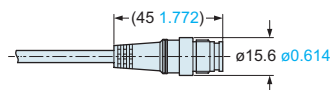
SF4B-□CA-J05 SF4B-□C
Light curtain

Assembly dimensions

The figure depicts rear mounting using the rear utility mounting bracket **MS-SF4BC-2** (optional) and the intermediate supporting bracket for use with the utility mounting bracket **MS-SF4BC-4** (optional).



<Connector of the pigtailed type (with muting function) SF4B-□CA-J05>



Model No.		B	D		L	M	N	P
			SF4B-H□C (A-J05)	SF4B-A□C (A-J05)				
SF4B-H12C (A-J05)	—	279 10.984	220 8.661	—	316.4 12.457	264.4 10.409	—	—
SF4B-H16C (A-J05)	SF4B-A8C (A-J05)	359 14.134	300 11.811	280 11.024	396.4 15.606	344.4 13.559	—	—
SF4B-H20C (A-J05)	—	439 17.283	380 14.961	—	476.4 18.756	424.4 16.709	—	—
SF4B-H24C (A-J05)	SF4B-A12C (A-J05)	519 20.433	460 18.110	440 17.323	556.4 21.906	504.4 19.858	—	—
SF4B-H28C (A-J05)	—	599 23.583	540 21.260	—	636.4 25.055	584.4 23.008	—	—
SF4B-H32C (A-J05)	SF4B-A16C (A-J05)	679 26.732	620 24.409	600 23.622	716.4 28.205	664.4 26.157	—	—
SF4B-H36C (A-J05)	—	759 29.882	700 27.559	—	796.4 31.354	744.4 29.307	—	—
SF4B-H40C (A-J05)	SF4B-A20C (A-J05)	839 33.031	780 30.709	760 29.921	876.4 34.504	824.4 32.457	399.5 15.728	—
SF4B-H48C (A-J05)	SF4B-A24C (A-J05)	999 39.331	940 37.008	920 36.220	1,036.4 40.803	984.4 38.756	479.5 18.878	—
SF4B-H56C (A-J05)	SF4B-A28C (A-J05)	1,159 45.630	1,100 43.307	1,080 42.520	1,196.4 47.102	1,144.4 45.055	559.5 22.028	—
SF4B-H64C (A-J05)	SF4B-A32C (A-J05)	1,319 51.929	1,260 49.606	1,240 48.819	1,356.4 53.402	1,304.4 51.354	419.5 16.516	858.5 33.799
SF4B-H72C (A-J05)	SF4B-A36C (A-J05)	1,479 58.228	1,420 55.906	1,400 55.118	1,516.4 59.701	1,464.4 57.654	472.5 18.602	965.5 38.012
SF4B-H80C (A-J05)	SF4B-A40C (A-J05)	1,639 64.528	1,580 62.205	1,580 62.205	1,676.4 66.000	1,624.4 63.953	525.5 20.689	1,072.5 42.224

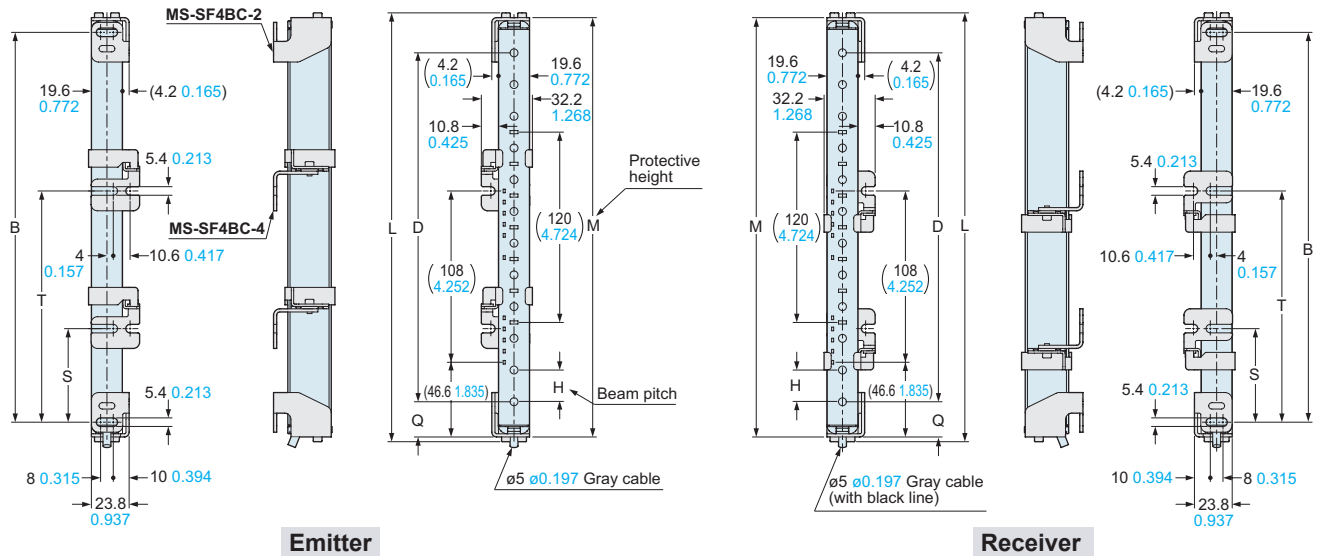
Model No.	H	Q
SF4B-H□C (A-J05)	20 0.787	22.2 0.874
SF4B-A□C (A-J05)	40 1.575	42.2 1.661

SF4B-□CA-J05 SF4B-□C

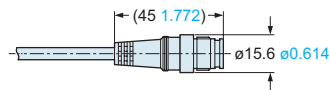
Light curtain

Assembly dimensions

The figure depicts space-saving mounting using the rear utility mounting bracket **MS-SF4BC-2** (optional) and the intermediate supporting bracket for use with the utility mounting bracket **MS-SF4BC-4** (optional).



<Connector of the pigtailed type (with muting function) SF4B-□CA-J05>



Model No.		B	D		L	M	S	T
			SF4B-H□C (A-J05)	SF4B-A□C (A-J05)				
SF4B-H12C (A-J05)	—	279 10.984	220 8.661	—	316.4 12.457	264.4 10.409	—	—
SF4B-H16C (A-J05)	SF4B-A8C (A-J05)	359 14.134	300 11.811	280 11.024	396.4 15.606	344.4 13.559	—	—
SF4B-H20C (A-J05)	—	439 17.283	380 14.961	—	476.4 18.756	424.4 16.709	—	—
SF4B-H24C (A-J05)	SF4B-A12C (A-J05)	519 20.433	460 18.110	440 17.323	556.4 21.906	504.4 19.858	—	—
SF4B-H28C (A-J05)	—	599 23.583	540 21.260	—	636.4 25.055	584.4 23.008	—	—
SF4B-H32C (A-J05)	SF4B-A16C (A-J05)	679 26.732	620 24.409	600 23.622	716.4 28.205	664.4 26.157	—	—
SF4B-H36C (A-J05)	—	759 29.882	700 27.559	—	796.4 31.354	744.4 29.307	—	—
SF4B-H40C (A-J05)	SF4B-A20C (A-J05)	839 33.031	780 30.709	760 29.921	876.4 34.504	824.4 32.457	382.9 15.075	—
SF4B-H48C (A-J05)	SF4B-A24C (A-J05)	999 39.331	940 37.008	920 36.220	1,036.4 40.803	984.4 38.756	462.9 18.224	—
SF4B-H56C (A-J05)	SF4B-A28C (A-J05)	1,159 45.630	1,100 43.307	1,080 42.520	1,196.4 47.102	1,144.4 45.055	542.9 21.374	—
SF4B-H64C (A-J05)	SF4B-A32C (A-J05)	1,319 51.929	1,260 49.606	1,240 48.819	1,356.4 53.402	1,304.4 51.354	402.9 15.862	841.9 33.146
SF4B-H72C (A-J05)	SF4B-A36C (A-J05)	1,479 58.228	1,420 55.906	1,400 55.118	1,516.4 59.701	1,464.4 57.654	455.9 17.949	948.9 37.358
SF4B-H80C (A-J05)	SF4B-A40C (A-J05)	1,639 64.528	1,580 62.205	1,580 62.205	1,676.4 66.000	1,624.4 63.953	508.9 20.035	1,055.9 41.571

Model No.	H	Q
SF4B-H□C (A-J05)	20 0.787	22.2 0.874
SF4B-A□C (A-J05)	40 1.575	42.2 1.661

DIMENSIONS (Unit: mm in)

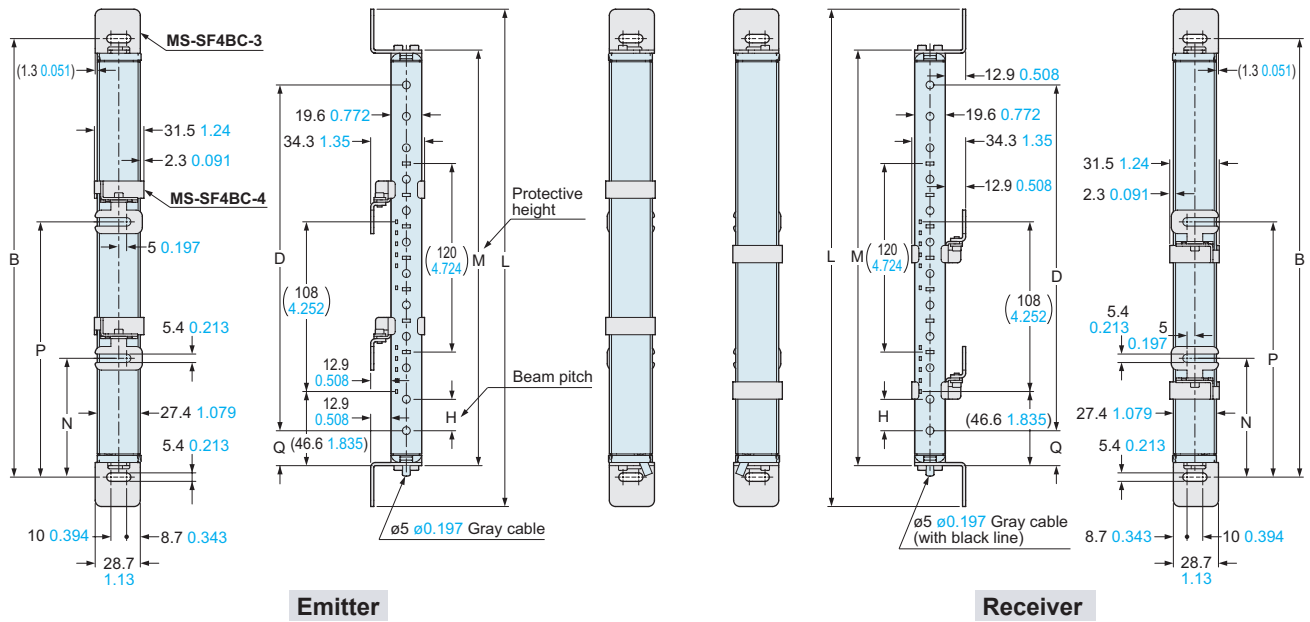
The CAD data in the dimensions can be downloaded from our website.

SF4B-□CA-J05 SF4B-□C

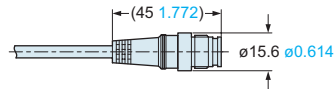
Light curtain

Assembly dimensions

The figure depicts side mounting using the side utility mounting bracket **MS-SF4BC-3** (optional) and the intermediate supporting bracket for use with the utility mounting bracket **MS-SF4BC-4** (optional).



<Connector of the pigtailed type (with muting function) SF4B-□CA-J05>



Model No.		B	D		L	M	N	P
			SF4B-H□C (A-J05)	SF4B-A□C (A-J05)				
SF4B-H12C (A-J05)	—	279 10.984	220 8.661	—	316.4 12.457	264.4 10.409	—	—
SF4B-H16C (A-J05)	SF4B-A8C (A-J05)	359 14.134	300 11.811	280 11.024	396.4 15.606	344.4 13.559	—	—
SF4B-H20C (A-J05)	—	439 17.283	380 14.961	—	476.4 18.756	424.4 16.709	—	—
SF4B-H24C (A-J05)	SF4B-A12C (A-J05)	519 20.433	460 18.110	440 17.323	556.4 21.906	504.4 19.858	—	—
SF4B-H28C (A-J05)	—	599 23.583	540 21.260	—	636.4 25.055	584.4 23.008	—	—
SF4B-H32C (A-J05)	SF4B-A16C (A-J05)	679 26.732	620 24.409	600 23.622	716.4 28.205	664.4 26.157	—	—
SF4B-H36C (A-J05)	—	759 29.882	700 27.559	—	796.4 31.354	744.4 29.307	—	—
SF4B-H40C (A-J05)	SF4B-A20C (A-J05)	839 33.031	780 30.709	760 29.921	876.4 34.504	824.4 32.457	399.5 15.728	—
SF4B-H48C (A-J05)	SF4B-A24C (A-J05)	999 39.331	940 37.008	920 36.220	1,036.4 40.803	984.4 38.756	479.5 18.878	—
SF4B-H56C (A-J05)	SF4B-A28C (A-J05)	1,159 45.630	1,100 43.307	1,080 42.520	1,196.4 47.102	1,144.4 45.055	559.5 22.028	—
SF4B-H64C (A-J05)	SF4B-A32C (A-J05)	1,319 51.929	1,260 49.606	1,240 48.819	1,356.4 53.402	1,304.4 51.354	419.5 16.516	858.5 33.799
SF4B-H72C (A-J05)	SF4B-A36C (A-J05)	1,479 58.228	1,420 55.906	1,400 55.118	1,516.4 59.701	1,464.4 57.654	472.5 18.602	965.5 38.012
SF4B-H80C (A-J05)	SF4B-A40C (A-J05)	1,639 64.528	1,580 62.205	1,580 62.205	1,676.4 66.000	1,624.4 63.953	525.5 20.689	1,072.5 42.224

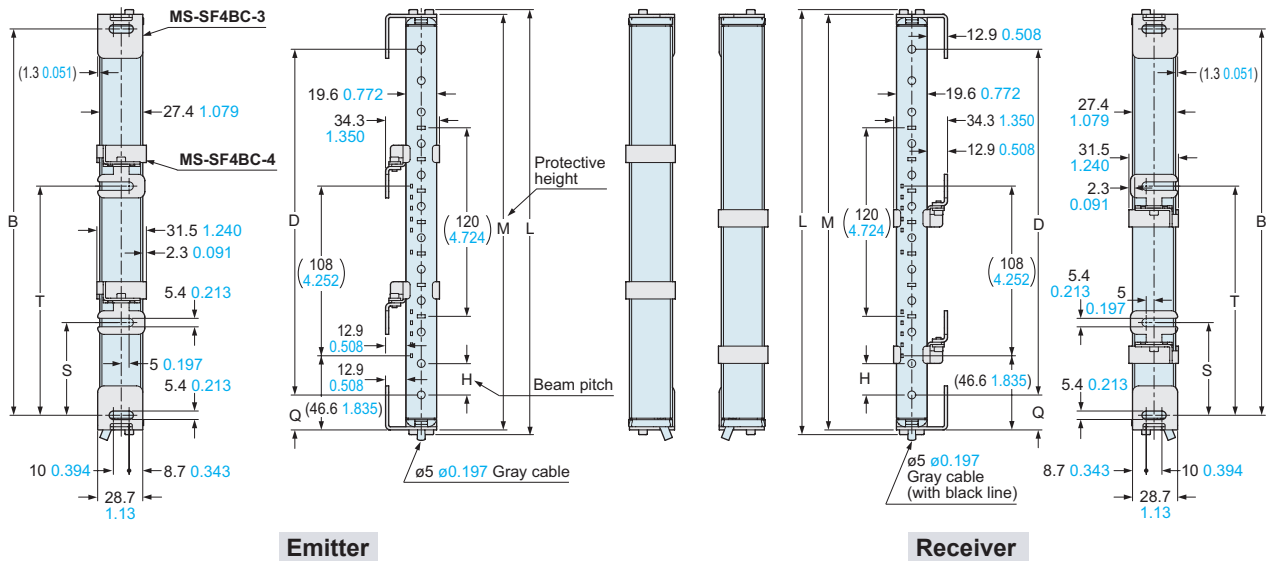
Model No.	H	Q
SF4B-H□C (A-J05)	20 0.787	22.2 0.874
SF4B-A□C (A-J05)	40 1.575	42.2 1.661

SF4B-□CA-J05 SF4B-□C

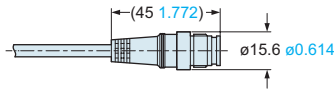
Light curtain

Assembly dimensions

The figure depicts space-saving mounting side utility mounting bracket **MS-SF4BC-3** (optional) and the intermediate supporting bracket for use with the utility mounting bracket **MS-SF4BC-4** (optional).



<Connector of the pigtailed type (with muting function) SF4B-□CA-J05>



Model No.		B	D		L	M	S	T
			SF4B-H□C (A-J05)	SF4B-A□C (A-J05)				
SF4B-H12C (A-J05)	—	279 10.984	220 8.661	—	316.4 12.457	264.4 10.409	—	—
SF4B-H16C (A-J05)	SF4B-A8C (A-J05)	359 14.134	300 11.811	280 11.024	396.4 15.606	344.4 13.559	—	—
SF4B-H20C (A-J05)	—	439 17.283	380 14.961	—	476.4 18.756	424.4 16.709	—	—
SF4B-H24C (A-J05)	SF4B-A12C (A-J05)	519 20.433	460 18.110	440 17.323	556.4 21.906	504.4 19.858	—	—
SF4B-H28C (A-J05)	—	599 23.583	540 21.260	—	636.4 25.055	584.4 23.008	—	—
SF4B-H32C (A-J05)	SF4B-A16C (A-J05)	679 26.732	620 24.409	600 23.622	716.4 28.205	664.4 26.157	—	—
SF4B-H36C (A-J05)	—	759 29.882	700 27.559	—	796.4 31.354	744.4 29.307	—	—
SF4B-H40C (A-J05)	SF4B-A20C (A-J05)	839 33.031	780 30.709	760 29.921	876.4 34.504	824.4 32.457	382.9 15.075	—
SF4B-H48C (A-J05)	SF4B-A24C (A-J05)	999 39.331	940 37.008	920 36.220	1,036.4 40.803	984.4 38.756	462.9 18.224	—
SF4B-H56C (A-J05)	SF4B-A28C (A-J05)	1,159 45.630	1,100 43.307	1,080 42.520	1,196.4 47.102	1,144.4 45.055	542.9 21.374	—
SF4B-H64C (A-J05)	SF4B-A32C (A-J05)	1,319 51.929	1,260 49.606	1,240 48.819	1,356.4 53.402	1,304.4 51.354	402.9 15.862	841.9 33.146
SF4B-H72C (A-J05)	SF4B-A36C (A-J05)	1,479 58.228	1,420 55.906	1,400 55.118	1,516.4 59.701	1,464.4 57.654	455.9 17.949	948.9 37.358
SF4B-H80C (A-J05)	SF4B-A40C (A-J05)	1,639 64.528	1,580 62.205	1,580 62.205	1,676.4 66.000	1,624.4 63.953	508.9 20.035	1,055.9 41.571

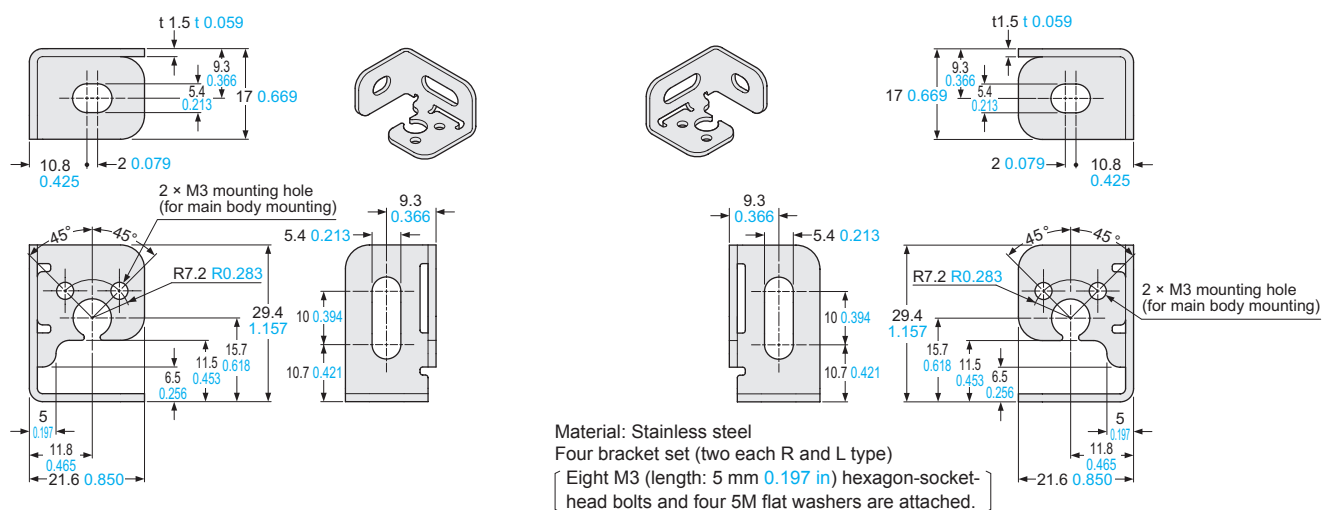
Model No.	H	Q
SF4B-H□C (A-J05)	20 0.787	22.2 0.874
SF4B-A□C (A-J05)	40 1.575	42.2 1.661

DIMENSIONS (Unit: mm in)

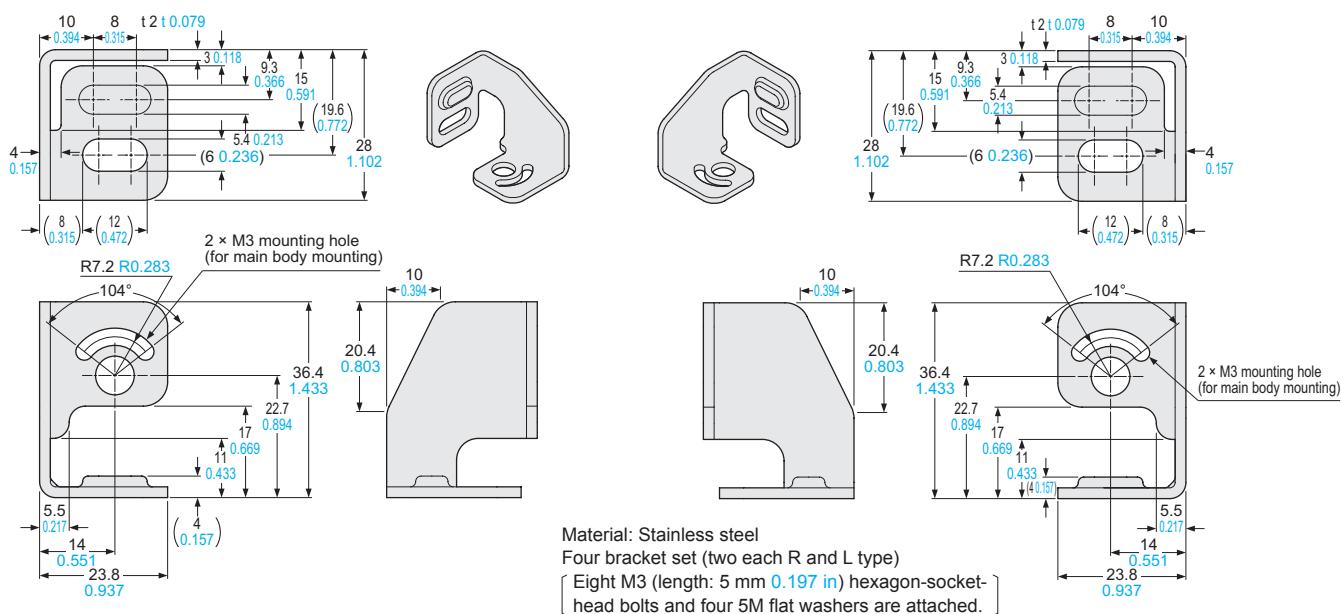
The CAD data in the dimensions can be downloaded from our website.

MS-SF4BC-1

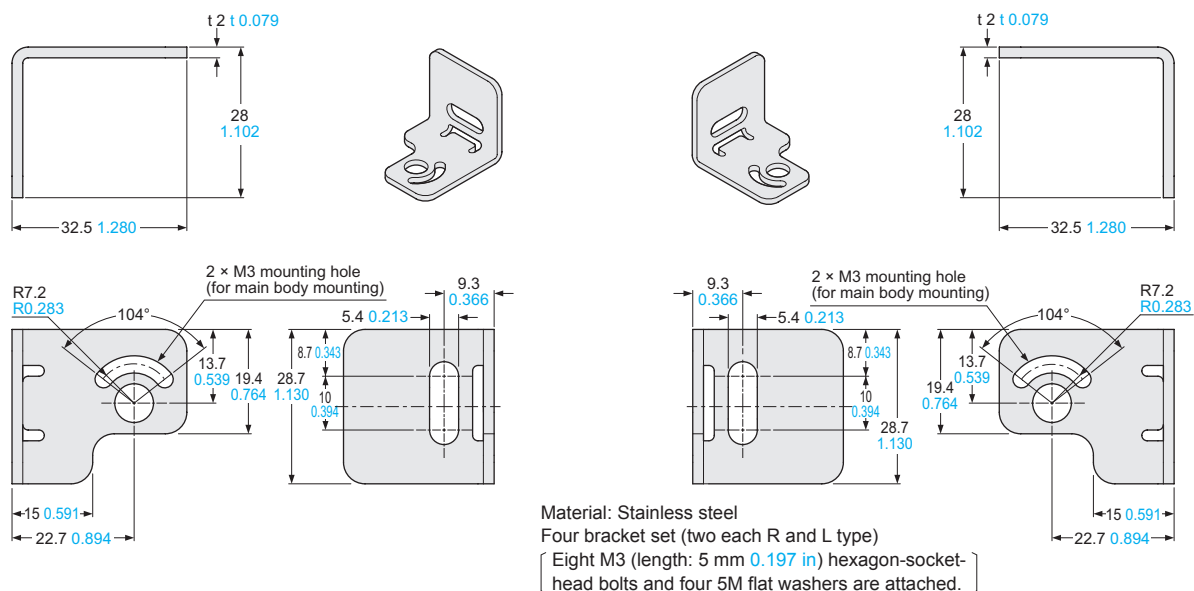
Standard mounting bracket (optional)

**MS-SF4BC-2**

Rear utility mounting bracket (optional)

**MS-SF4BC-3**

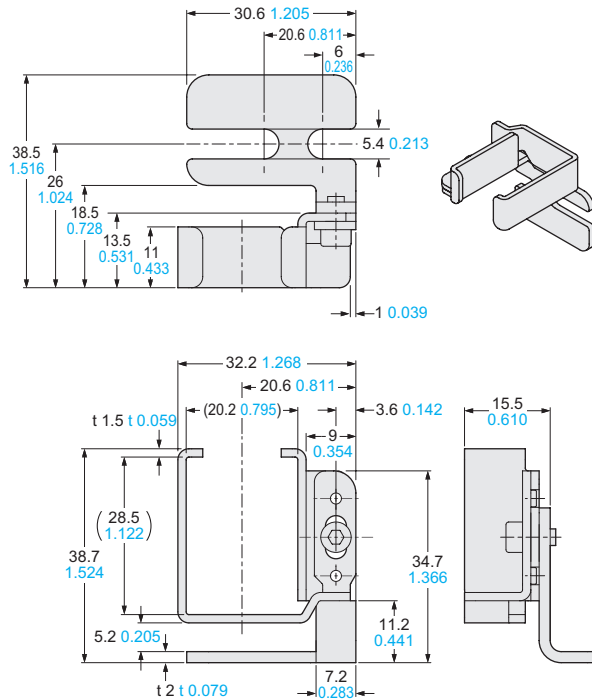
Side utility mounting bracket (optional)



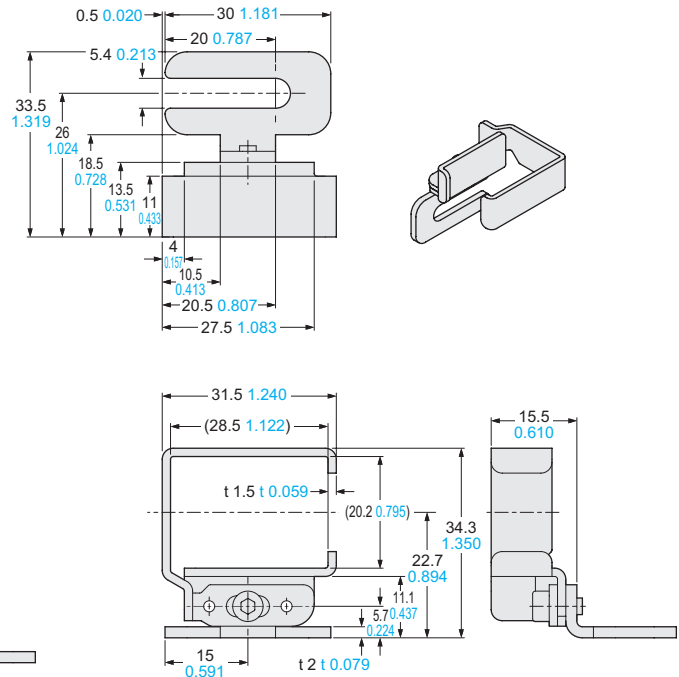
MS-SF4BC-4

Intermediate supporting bracket for use with utility mounting bracket (optional)

<For rear mounting>



<For side mounting>



Material: Stainless steel

2 Two pcs. M5 flat washers, two pcs. assembled M3 (length: 6 mm 0.236 in) hexagon-socket-head bolts for rear mounting, two pcs. attachments for side mounting

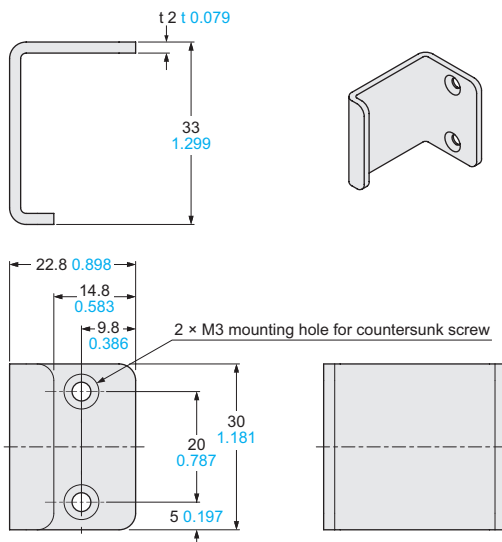
Note: The numbers of sets required by SF4B-H□C (A-J05) (40 or more beam axes) and SF4B-A□C (A-J05) (20 or more beam axes) are as follows:

SF4B-H40C (A-J05), SF4B-H48C (A-J05), SF4B-H56C (A-J05), SF4B-A20C (A-J05), SF4B-A24C (A-J05), SF4B-A28C (A-J05): 1 set
 SF4B-H64C (A-J05), SF4B-H72C (A-J05), SF4B-H80C (A-J05), SF4B-A32C (A-J05), SF4B-A36C (A-J05), SF4B-A40C (A-J05): 2 sets

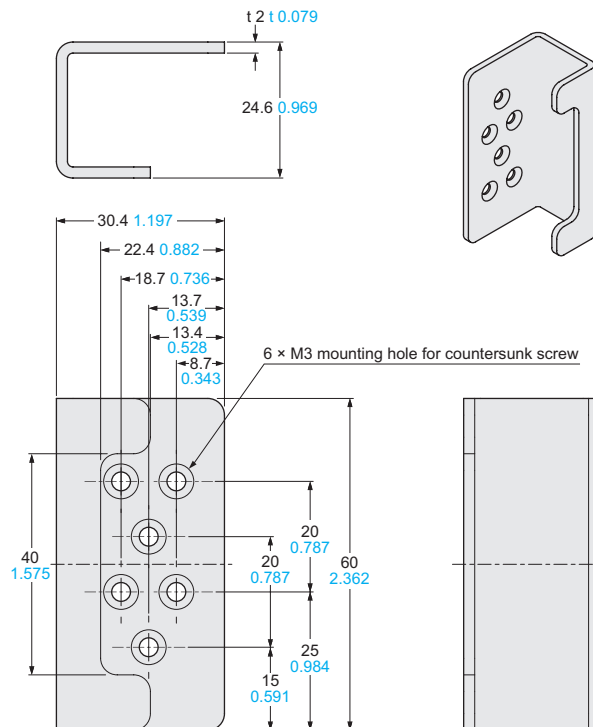
MS-SF4BC-5

Intermediate supporting bracket for use with the standard mounting bracket (optional)

<For rear mounting>



<For side mounting>



Material: Stainless steel

2 Two pcs. for rear mounting, two pcs. for side mounting

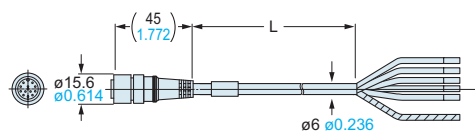
Note: The numbers of sets required by SF4B-H□C (A-J05) (40 or more beam axes) and SF4B-A□C (A-J05) (20 or more beam axes) are as follows:

SF4B-H40C (A-J05), SF4B-H48C (A-J05), SF4B-H56C (A-J05), SF4B-A20C (A-J05), SF4B-A24C (A-J05), SF4B-A28C (A-J05): 1 set
 SF4B-H64C (A-J05), SF4B-H72C (A-J05), SF4B-H80C (A-J05), SF4B-A32C (A-J05), SF4B-A36C (A-J05), SF4B-A40C (A-J05): 2 sets

DIMENSIONS (Unit: mm in)

The CAD data in the dimensions can be downloaded from our website.

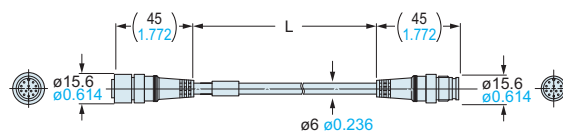
SFB-CC□-MU Mating cable with connector on one end (optional)



• Length: L

Model No.	Length: L
SFB-CC3-MU	3,000 118.110
SFB-CC7-MU	7,000 275.591
SFB-CC10-MU	10,000 393.701

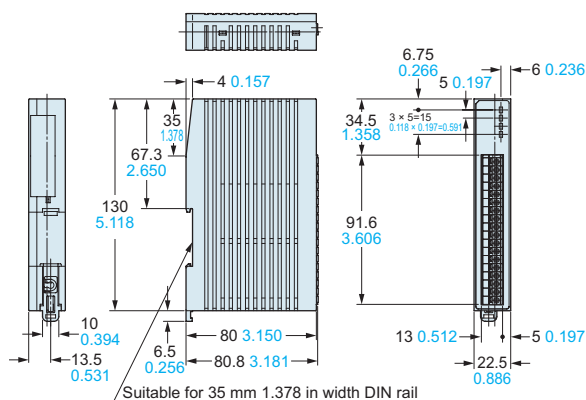
SFB-CCJ□-MU Mating cable with connectors on both ends (optional)



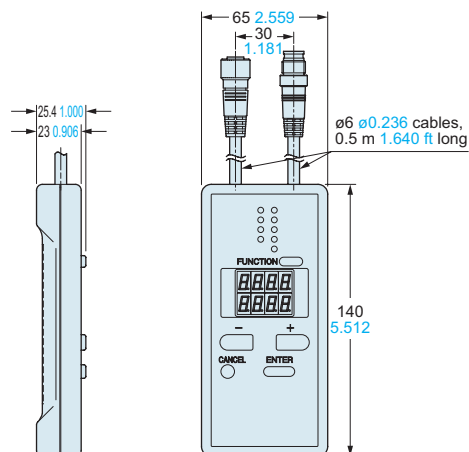
• Length: L

Model No.	Length: L
SFB-CCJ3D-MU	3,000 118.110
SFB-CCJ3E-MU	
SFB-CCJ10D-MU	10,000 393.701
SFB-CCJ10E-MU	

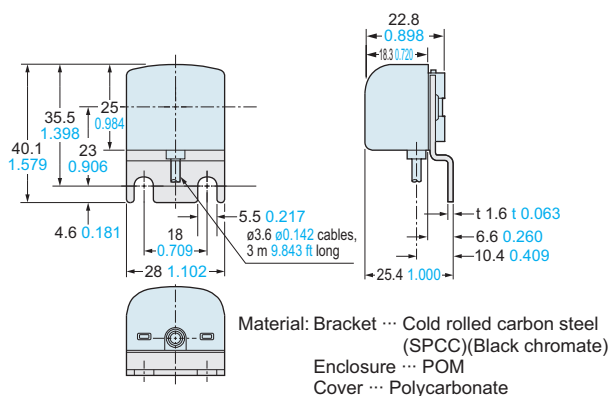
SF-C13 Control unit (optional)



SFB-HC Handy-controller (optional)



SF-IND-2 Large display unit for light curtain (optional)



Please contact

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