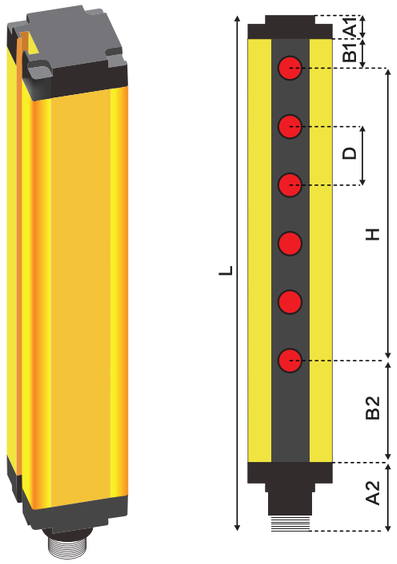
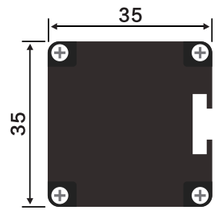
SA4S Enhanced safety light curtain

Dimensions





A1: Upper end cap
A2: lower end cap + aviation terminal
B1: Upper Blind Spot
B2: Lower Blind Spot
D: Optical axis spacing
H: grating protection height
L: total grating height

A1=10mmA2=45mm (including 33mm aviation plug)
B1=1/2 optical axis spacing B2=37mm
H=(Number of optical axes-1)*Optical axis spacing
L = number of optical axes * distance between optical axes + 92

Selection rules

SA 4 S — H 18 40 P — 003

- 003: Detection distance: 001=1m, 002=2m, 003=3m (1-40m)
- P: Output mode: P=PNP output, N=NPN output
- 40: Optical axis spacing: 10, 20, 30, 40, 60mm
- 18: Number of beams: 18
- H: Object of protection: H=hand, F=finger, A=arm, B=body
- S: Features: C=Universal S=Reinforced W=Waterproof
- 4: Security level: Level 4, Level 2
- SA: SA-safety light grid SM-measurement light grid

SA4S Enhanced safety light curtain selection table

Optical axis spacing	10mm			20mm			40mm			60mm		
Number of optical axes	Mode	Protection height (mm)	total height (mm)	Mode	Protection height (mm)	total height (mm)	Mode	Protection height (mm)		Mode	Protection height (mm)	total height (mm)
4	SA4S-0410	30	122	SA4S-0420	60	162	SA4S-0440	120	242	SA4S-0460	180	322
6	SA4S-0610	50	142	SA4S-0620	100	202	SA4S-0640	200	322	SA4S-0660	300	442
8	SA4S-0810	70	162	SA4S-0820	140	242	SA4S-0840	280	402	SA4S-0860	420	562
10	SA4S-1010	90	182	SA4S-1020	180	282	SA4S-1040	360	482	SA4S-1060	540	682
12	SA4S-1210	110	202	SA4S-1220	220	322	SA4S-1240	440	562	SA4S-1260	660	802
14	SA4S-1410	130	222	SA4S-1420	260	362	SA4S-1440	520	642	SA4S-1460	780	922
16	SA4S-1610	150	242	SA4S-1620	300	402	SA4S-1640	600	722	SA4S-1660	900	1042
18	SA4S-1810	170	262	SA4S-1820	340	442	SA4S-1840	680	802	SA4S-1860	1020	1162
20	SA4S-2010	190	282	SA4S-2020	380	482	SA4S-2040	760	882	SA4S-2060	1140	1282
22	SA4S-2210	210	302	SA4S-2220	420	522	SA4S-2240	840	962	SA4S-2260	1260	1402
24	SA4S-2410	230	322	SA4S-2420	460	562	SA4S-2440	920	1042	SA4S-2460	1380	1522
26	SA4S-2610	250	342	SA4S-2620	500	602	SA4S-2640	1000	1122	SA4S-2660	1500	1642
28	SA4S-2810	270	362	SA4S-2820	540	642	SA4S-2840	1080	1202	SA4S-2860	1620	1762
30	SA4S-3010	290	382	SA4S-3020	580	682	SA4S-3040	1160	1282	SA4S-3060	1740	1882
32	SA4S-3210	310	402	SA4S-3220	620	722	SA4S-3240	1240	1362			
34	SA4S-3410	330	422	SA4S-3420	660	762	SA4S-3440	1320	1442	5mm		
36	SA4S-3610	350	442	SA4S-3620	700	802	SA4S-3640	1400	1522	SA4S-0805	35	122
38	SA4S-3810	370	462	SA4S-3820	740	842	SA4S-3840	1480	1602	SA4S-1605	75	162
40	SA4S-4010	390	482	SA4S-4020	780	882	SA4S-4040	1560	1682	SA4S-2405	115	202
42	SA4S-4210	410	502	SA4S-4220	820	922	SA4S-4240	1640	1762	SA4S-3205	155	242
44	SA4S-4410	430	522	SA4S-4420	860	962	SA4S-4440	1720	1842	SA4S-4005	195	282
46	SA4S-4610	450	542	SA4S-4620	900	1002	SA4S-4640	1800	1922	SA4S-4805	235	322
48	SA4S-4810	470	562	SA4S-4820	940	1042	SA4S-4840	1880	2002	SA4S-5605	275	362
50	SA4S-5010	490	582	SA4S-5020	980	1082	SA4S-5040	1960	2082	SA4S-6405	315	402
52	SA4S-5210	510	602	SA4S-5220	1020	1122				SA4S-7205	355	442
54	SA4S-5410	530	622	SA4S-5420	1060	1162				SA4S-8005	395	482
56	SA4S-5610	550	642	SA4S-5620	1100	1202				SA4S-8805	435	522
58	SA4S-5810	570	662	SA4S-5820	1140	1242				SA4S-9605	475	562
60	SA4S-6010	590	682	SA4S-6020	1180	1282						
62	SA4S-6210	610	702	SA4S-6220	1220	1322				Optical axis 5mm spacing, the number of optical axes is a multiple of 8		
64	SA4S-6410	630	722	SA4S-6420	1260	1362				2mm		
66	SA4S-6610	650	742	SA4S-6620	1300	1402				SA4S-6402	126	210
68	SA4S-6810	670	762	SA4S-6820	1340	1442				SA4S-12802	254	338
70	SA4S-7010	690	782	SA4S-7020	1380	1482				SA4S-19202	382	466
72	SA4S-7210	710	802	SA4S-7220	1420	1522				SA4S-25602	510	594
										2mm accuracy, the quantity is a multiple of 64		

Note: The optical axis accuracy of this type of product includes 1mm, 2mm, 5mm, 10mm, 20mm, 30mm, 40mm, 60mm, 105mm, which are not fully reflected in the selection table. If your choice is not included, please contact us for Your choice.
The total height of all products in this series = (optical axis accuracy*optical axis quantity)+82mm.