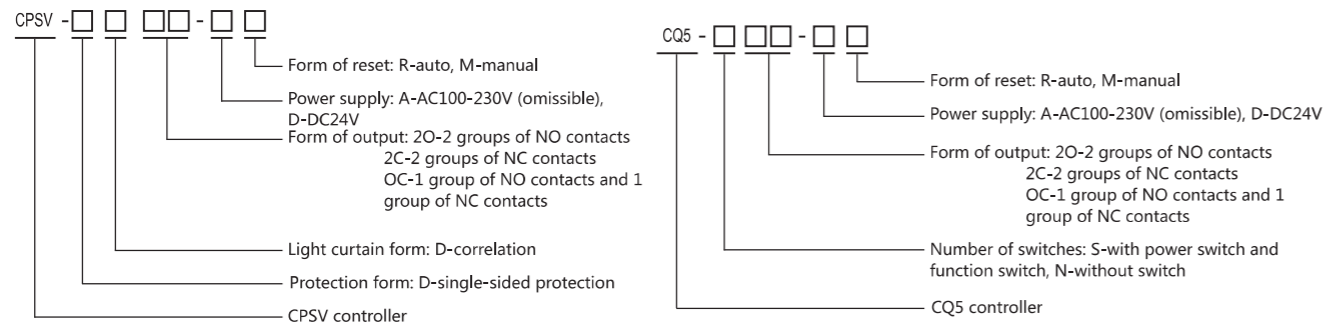


### Controller technical parameters

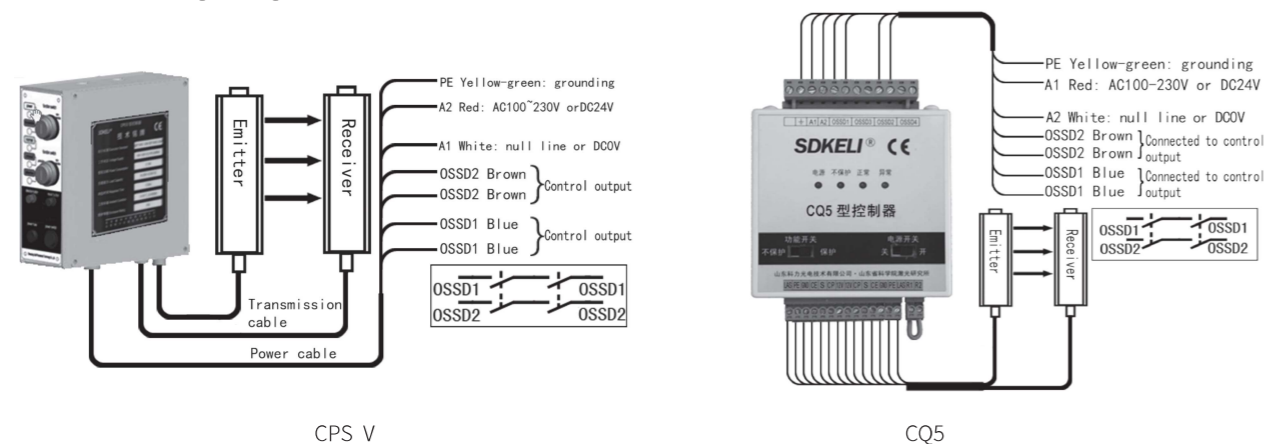
— Table26 —

Environmental characteristics		
Environment temperature	Operating	-10°C~55°C (No frost or fog)
	Storage	-40°C~70°C
Environment humidity	Operating	35%RH~85%RH
	Storage	35%RH~95%RH
IPcode	CPSV controller: IP54	CQ5 controller: IP20
Dimensions	CPSV controller: 216×82×215mm	CQ5 controller: 90×90×105mm
Electrical characteristics		
Power supply	AC100V ~ 230V±15%,50/60Hz	DC24V±10%
Power consumption	< 15W	
Output form	Relay contact output	
Output contact capacity	5A, AC250V/DC30V (Resistive load)	
Response time	≤ 20ms	
Insulation resistance	> 100MΩ	
Dielectric strength	AC1500V, No breakdown or flashover for 60s	
Relay life	≥ 10 <sup>6</sup> times (Electrical life)	

### Specifications model



### Typical wiring diagram



## KS06G safety light curtain

GB/T 19436.1/IEC 61496-1 ( Type 4 )  
GB/T 19436.2/IEC 61496-2 ( Type 4 )

### Product description

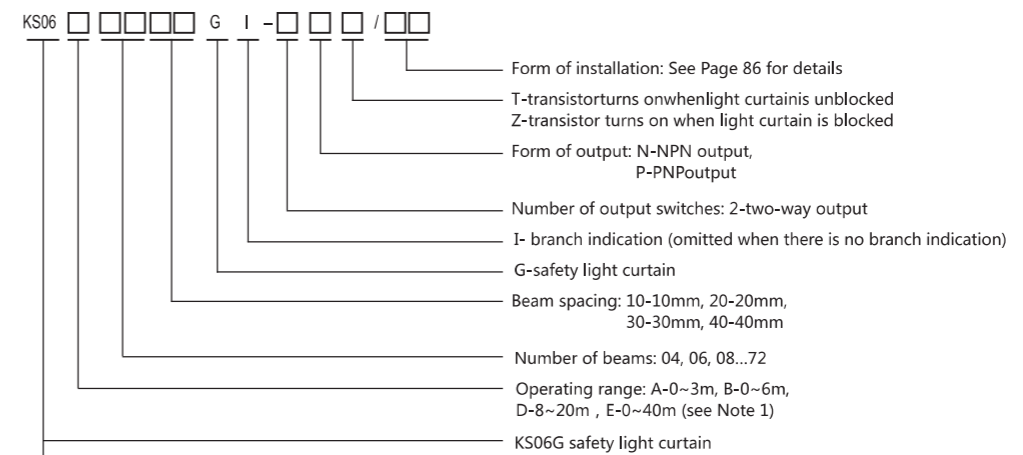
KS06G safety light curtain can be used to integrate the controller functions into the sensor. It is provided to the device that does not require a controller but requires level signal control through risk assessment (e.g., device controlled by PLC and computer) and it can output twochannels safe PNP or NPN signals.



### Product composition

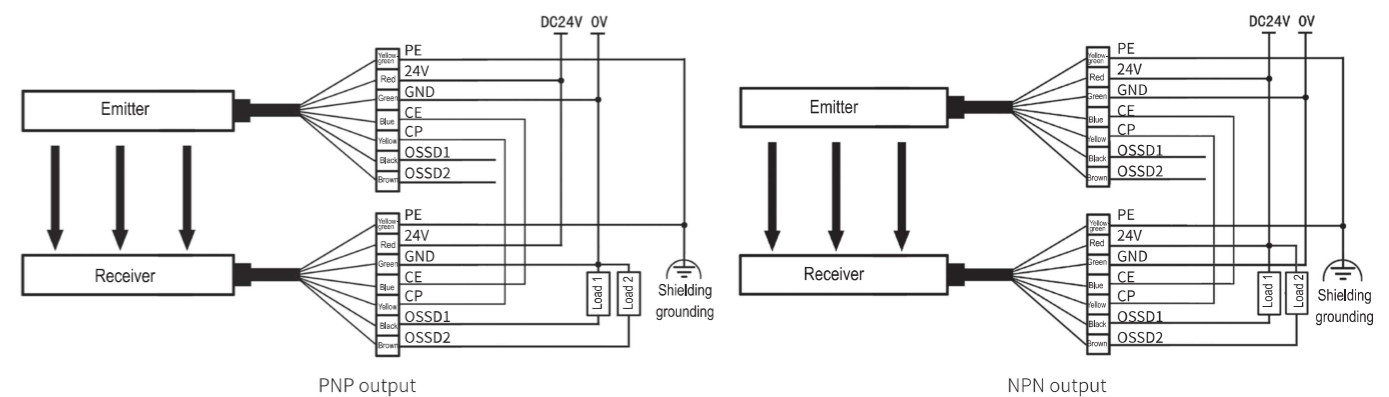
It is composed of emitter, receiver and transmission cable.

### Specifications model



Note: 1: Number of beams of E light curtain: 04, 06, 08...40, Beam spacing: only 40mm; Operating range: 0~40m for 4~16 beams, 0~30m for 18~40 beams

### Typical wiring diagram



Note: The control signal wires OSSD1 and OSSD2 at the end of emitter are overhead.



Beam spacing 20								
Detection capability 28								
Number of beams	Specifications	H	J	L	C	MTTF <sub>D</sub>	PFH <sub>D</sub> (1/h)	MTTF
8	KS06*0820G2#T	140	239	500	300	358	6.44E-09	65
10	KS06*1020G2#T	180	279	500	340	345	7.04E-09	63
12	KS06*1220G2#T	220	319	500	380	333	7.04E-09	62
14	KS06*1420G2#T	260	359	750	420	321	7.04E-09	60
16	KS06*1620G2#T	300	399	750	460	311	7.76E-09	59
18	KS06*1820G2#T	340	439	750	500	301	7.76E-09	57
20	KS06*2020G2#T	380	479	750	540	292	7.76E-09	56
22	KS06*2220G2#T	420	519	750	580	283	8.67E-09	55
24	KS06*2420G2#T	460	559	1000	620	275	8.67E-09	54
26	KS06*2620G2#T	500	599	1000	660	267	8.67E-09	53
28	KS06*2820G2#T	540	639	1000	700	260	8.67E-09	52
30	KS06*3020G2#T	580	679	1000	740	253	9.81E-09	50
32	KS06*3220G2#T	620	719	1000	780	246	9.81E-09	49
34	KS06*3420G2#T	660	759	1000	820	240	9.81E-09	49
36	KS06*3620G2#T	700	799	1000	860	234	9.81E-09	48
38	KS06*3820G2#T	740	839	1200	900	228	1.08E-08	47
40	KS06*4020G2#T	780	879	1200	940	223	1.08E-08	46
42	KS06*4220G2#T	820	919	1200	980	218	1.08E-08	45
44	KS06*4420G2#T	860	959	1200	1020	213	1.08E-08	44
46	KS06*4620G2#T	900	999	1200	1060	208	1.19E-08	43
48	KS06*4820G2#T	940	1039	1500	1100	204	1.19E-08	43
50	KS06*5020G2#T	980	1079	1500	1140	199	1.19E-08	42
52	KS06*5220G2#T	1020	1119	1500	1180	195	1.19E-08	41
54	KS06*5420G2#T	1060	1159	1500	1220	191	1.19E-08	41
56	KS06*5620G2#T	1100	1199	1500	1260	188	1.33E-08	40
58	KS06*5820G2#T	1140	1239	1500	1300	184	1.33E-08	39
60	KS06*6020G2#T	1180	1279	1500	1340	180	1.33E-08	39
62	KS06*6220G2#T	1220	1319	1750	1380	177	1.33E-08	38
64	KS06*6420G2#T	1260	1359	1750	1420	174	1.33E-08	38
66	KS06*6620G2#T	1300	1399	1750	1460	171	1.33E-08	37
68	KS06*6820G2#T	1340	1439	1750	1500	168	1.50E-08	36
70	KS06*7020G2#T	1380	1479	1750	1540	165	1.50E-08	36
72	KS06*7220G2#T	1420	1519	1750	1580	162	1.50E-08	35

Note: In the specifications, \* represents operating range serial number, 0~3m for A series, 0~6m for B series, 0~12m for C series, 8~20m for D series, 0~40m (4~16 beams) / 0~30m (18~40 beams) for E series;  
# represents output form, P represents PNP output, N represents NPN output; E series only provides the products with the Specifications in yellow.

Beam spacing 40								
Detection capability 48								
Number of beams	Specifications	H	J	L	C	MTTF <sub>D</sub>	PFH <sub>D</sub> (1/h)	MTTF
4	KS06*0440G2#T	120	239	500	300	387	5.94E-09	69
6	KS06*0640G2#T	200	319	500	380	372	6.44E-09	67
8	KS06*0840G2#T	280	399	750	460	358	6.44E-09	65
10	KS06*1040G2#T	360	479	750	540	345	7.04E-09	63
12	KS06*1240G2#T	440	559	1000	620	333	7.04E-09	62
14	KS06*1440G2#T	520	639	1000	700	321	7.04E-09	60
16	KS06*1640G2#T	600	719	1000	780	311	7.76E-09	59
18	KS06*1840G2#T	680	799	1000	860	301	7.76E-09	57
20	KS06*2040G2#T	760	879	1200	940	292	7.76E-09	56
22	KS06*2240G2#T	840	959	1200	1020	283	8.67E-09	55
24	KS06*2440G2#T	920	1039	1500	1100	275	8.67E-09	54
26	KS06*2640G2#T	1000	1119	1500	1180	267	8.67E-09	53
28	KS06*2840G2#T	1080	1199	1500	1260	260	8.67E-09	52
30	KS06*3040G2#T	1160	1279	1500	1340	253	9.81E-09	50
32	KS06*3240G2#T	1240	1359	1750	1420	246	9.81E-09	49
34	KS06*3440G2#T	1320	1439	1750	1500	240	9.81E-09	49
36	KS06*3640G2#T	1400	1519	1750	1580	234	9.81E-09	48
38	KS06*3840G2#T	1480	1599	2000	1660	228	1.08E-08	47
40	KS06*4040G2#T	1560	1679	2000	1740	223	1.08E-08	46
42	KS06*4240G2#T	1640	1759	2000	1820	218	1.08E-08	45
44	KS06*4440G2#T	1720	1839		1900	213	1.08E-08	44
46	KS06*4640G2#T	1800	1919		1980	208	1.19E-08	43
48	KS06*4840G2#T	1880	1999		2060	204	1.19E-08	43
50	KS06*5040G2#T	1960	2079		2140	199	1.19E-08	42
52	KS06*5240G2#T	2040	2159		2220	195	1.19E-08	41
54	KS06*5440G2#T	2120	2239		2300	191	1.19E-08	41
56	KS06*5640G2#T	2200	2319		2380	188	1.33E-08	40
58	KS06*5840G2#T	2280	2399		2460	184	1.33E-08	39
60	KS06*6040G2#T	2360	2479		2540	180	1.33E-08	39
62	KS06*6240G2#T	2440	2559		2620	177	1.33E-08	38
64	KS06*6440G2#T	2520	2639		2700	174	1.33E-08	38
66	KS06*6640G2#T	2600	2719		2780	171	1.33E-08	37
68	KS06*6840G2#T	2680	2799		2860	168	1.50E-08	36
70	KS06*7040G2#T	2760	2879		2940	165	1.50E-08	36
72	KS06*7240G2#T	2840	2959			162	1.50E-08	35

Note: In the specifications, \* represents operating range serial number, 0~3m for A series, 0~6m for B series, 0~12m for C series, 8~20m for D series, 0~40m (4~16 beams) / 0~30m (18~40 beams) for E series;  
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