



QAT specification selection table

- ★ Perfect self-check function: When the safety screen protector fails, ensure that the wrong signal is not sent to the controlled electrical appliances.
- ★ Strong anti-interference ability: The system has good anti-interference ability to electromagnetic signal, stroboscopic light, welding arc and surrounding light source;
- ★ Easy installation and debugging, simple wiring, beautiful appearance;
- ★ Surface mounting technology is adopted, which has superior seismic performance.
- ★ It conforms to IEC61496-1/2 standard safety grade and TUV CE certification.
- ★ The corresponding time is short ($\leq 15\text{ms}$), and the safety and reliability performance is high.
- ★ The dimension design is 35mm*51mm.
- ★ The safety sensor can be connected to the cable (M12) through the air socket.
- ★ All electronic components adopt world-renowned brand accessories.

◆ 产品技术参数 Technical parameters of products

光幕形式 Light curtain form	对射式 Counter shooting						
光轴间距 Beam pitch	10mm	14mm	20mm	25mm	30mm	40mm	80mm
检测精度 Check the accuracy	18mm	22mm	28mm	33mm	38mm	48mm	88mm
光束数 Beam number	6、8...32	6、8...32	4、6...32	6、8...32	4、6...32	4、6...32	4、6...32
保护高度 Height of protection	光轴间距 Beam pitch X (光束数 Beam number - 1)						
检测距离 Detection distance	30 - 3000mm、30 - 6000mm						
响应时间 Response time	$\leq 15\text{ms}$						
抗光干扰 Anti light interference	10000Lux (入射角 Incidence angle $\geq 5^\circ$)						
外形尺寸 Outline size	35x51xLmm (L为发光器/受光器长度 L is the length of light emitter/receiver)						
防护等级 Protection level	IP65						
控制器 Controller	QCA QCA2						
电源电压 Supply voltage	DC12/24V AC110-220V (继电器输出 Relay output)						
消耗电流 Consumption current	$\leq 200\text{mA}$						
输出 Output	NPN/PNP型, 灌入电流500mA, 电压1.5v以下, 极性、短路、过载保护 NPN/PNP type, with current 500 mA and voltage less than 1.5 v, polarity, short circuit and overload protection						
输出状态 Output state	ON (接收指示灯 Receiving Indicator Green Light)						
指示灯 Indicator light	投光器: 电源指示灯 (红色); 受光器: 输出指示灯 透光 (绿色) 遮光 (红色) Projector: Power indicator (red); Receiver: Output indicator (green) shading (red)						
光源 Light source	调制红外LED Modulated Infrared LED						
连接方式 Connection mode	圆形航空插座, 配专用连接电缆, 投光器5芯, 受光器5芯 Circular aviation socket with special connecting cable, 5 cores of projector and 5 cores of receiver						
壳体材料 Shell material	铝合金, 端盖: ABS增强尼龙 Aluminum alloy, end cover: ABS reinforced nylon						
耐环境光 Environmental light resistance	白炽光: 受光面照度3000Lx; 太阳光: 受光面照度10000Lx Incandescent light: illumination of the receiving surface 3000Lx; sunlight: illumination of the receiving surface 10000Lx						
环境温度 Ambient temperature	工作时: -10~+40℃ (但不结冰); 保存时: -25~+55℃ When working: -10 ~ +40 C (but not freezing), when preserved: -25 ~ +55 C						
环境湿度 Ambient humidity	工作时: 35-85%RH; 保存时: 35-95%RH Work: 35-85% RH, save: 35-95% RH						

QAT规格一览表 Specification List

形状 Shape	光轴间距 Beam pitch	有效保护高度 Effective protection height	光幕高度 Screen height	产品型号 Product model	信号输出方式 Signal Output Mode				检测距离 Detection distance	
					Signal Output Mode					
					NPN	PNP	NPN	PNP		
	6	50	123	QAT 06/10-50	A	B	C	D	0.3-3m	
	8	70	143	QAT 08/10-70	A	B	C	D	0.3-3m	
	10	90	163	QAT 10/10-90	A	B	C	D	0.3-3m	
	12	110	183	QAT 12/10-110	A	B	C	D	0.3-3m	
	14	130	203	QAT 14/10-130	A	B	C	D	0.3-3m	
	16	150	223	QAT 16/10-150	A	B	C	D	0.3-3m	
	18	170	243	QAT 18/10-170	A	B	C	D	0.3-3m	
	20	190	263	QAT 20/10-190	A	B	C	D	0.3-3m	
	22	210	283	QAT 22/10-210	A	B	C	D	0.3-3m	
	24	230	303	QAT 24/10-230	A	B	C	D	0.3-3m	
	26	250	323	QAT 26/10-250	A	B	C	D	0.3-3m	
	28	270	343	QAT 28/10-270	A	B	C	D	0.3-3m	
	30	290	363	QAT 30/10-290	A	B	C	D	0.3-3m	
	32	310	383	QAT 32/10-310	A	B	C	D	0.3-3m	
		6	70	145	QAT 06/14-70	A	B	C	D	0.3-3m
		8	98	173	QAT 08/14-98	A	B	C	D	0.3-3m
		10	126	201	QAT 10/14-126	A	B	C	D	0.3-3m
		12	154	229	QAT 12/14-154	A	B	C	D	0.3-3m
		14	182	257	QAT 14/14-182	A	B	C	D	0.3-3m
		16	210	285	QAT 16/14-210	A	B	C	D	0.3-3m
		18	238	313	QAT 18/14-238	A	B	C	D	0.3-3m
		20	266	341	QAT 20/14-266	A	B	C	D	0.3-3m
		22	294	369	QAT 22/14-294	A	B	C	D	0.3-3m
		24	322	397	QAT 24/14-322	A	B	C	D	0.3-3m
		26	350	425	QAT 26/14-350	A	B	C	D	0.3-3m
		28	378	453	QAT 28/14-378	A	B	C	D	0.3-3m
		4	60	131	QAT 04/20-60	A	B	C	D	0.3-3m
		6	100	171	QAT 06/20-100	A	B	C	D	0.3-3m
		8	140	211	QAT 08/20-140	A	B	C	D	0.3-3m
		10	180	251	QAT 10/20-180	A	B	C	D	0.3-3m
		12	220	291	QAT 12/20-220	A	B	C	D	0.3-3m
		14	260	331	QAT 14/20-260	A	B	C	D	0.3-3m
16		300	371	QAT 16/20-300	A	B	C	D	0.3-3m	
18		340	411	QAT 18/20-340	A	B	C	D	0.3-3m	
20		380	451	QAT 20/20-380	A	B	C	D	0.3-3m	
22		420	491	QAT 22/20-420	A	B	C	D	0.3-3m	
24		460	531	QAT 24/20-460	A	B	C	D	0.3-3m	
		6	125	198.5	QAT 06/25-125	A	B	C	D	0.3-3m
	8	175	248.5	QAT 08/25-175	A	B	C	D	0.3-3m	
	10	225	298.5	QAT 10/25-225	A	B	C	D	0.3-3m	
	12	275	348.5	QAT 12/25-275	A	B	C	D	0.3-3m	
	14	325	398.5	QAT 14/25-325	A	B	C	D	0.3-3m	
	16	375	448.5	QAT 16/25-375	A	B	C	D	0.3-3m	
	18	425	498.5	QAT 18/25-425	A	B	C	D	0.3-3m	
	20	475	548.5	QAT 20/25-475	A	B	C	D	0.3-3m	
	22	525	598.5	QAT 22/25-525	A	B	C	D	0.3-3m	
	24	575	648.5	QAT 24/25-575	A	B	C	D	0.3-3m	
	26	625	698.5	QAT 26/25-625	A	B	C	D	0.3-3m	
		4	90	166	QAT 04/30-90	A	B	C	D	0.3-3m
6		150	226	QAT 06/30-150	A	B	C	D	0.3-3m	
8		210	286	QAT 08/30-210	A	B	C	D	0.3-3m	
10		270	346	QAT 10/30-270	A	B	C	D	0.3-3m	
12		330	406	QAT 12/30-330	A	B	C	D	0.3-3m	
14		390	466	QAT 14/30-390	A	B	C	D	0.3-3m	
16		450	526	QAT 16/30-450	A	B	C	D	0.3-3m	
18		510	586	QAT 18/30-510	A	B	C	D	0.3-3m	
20		570	646	QAT 20/30-570	A	B	C	D	0.3-3m	
22		630	706	QAT 22/30-630	A	B	C	D	0.3-3m	
24		690	766	QAT 24/30-690	A	B	C	D	0.3-3m	
		4	120	201	QAT 04/40-120	A	B	C	D	0.3-3m
	6	200	281	QAT 06/40-200	A	B	C	D	0.3-3m	
	8	280	361	QAT 08/40-280	A	B	C	D	0.3-3m	
	10	360	441	QAT 10/40-360	A	B	C	D	0.3-3m	
	12	440	521	QAT 12/40-440	A	B	C	D	0.3-3m	
	14	520	601	QAT 14/40-520	A	B	C	D	0.3-3m	
	16	600	681	QAT 16/40-600	A	B	C	D	0.3-3m	
	18	680	761	QAT 18/40-680	A	B	C	D	0.3-3m	
	20	760	841	QAT 20/40-760	A	B	C	D	0.3-3m	
	22	840	921	QAT 22/40-840	A	B	C	D	0.3-3m	
	24	920	1001	QAT 24/40-920	A	B	C	D	0.3-3m	
		4	240	341	QAT 04/80-240	A	B	C	D	0.3-3m
6		400	501	QAT 06/80-400	A	B	C	D	0.3-3m	
...		A	B	C	D	0.3-3m	
...		A	B	C	D	0.3-3m	
...		A	B	C	D	0.3-3m	
...		A	B	C	D	0.3-3m	
...		A	B	C	D	0.3-3m	
32		2480	2581	QAT 32/80-2480	A	B	C	D	0.3-3m	

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备注: 输出方式详见下一页规格说明, 如无要求默认为A图。特殊规格可另外订做, 检测距离A: 0.3-3M、B: 0.3-6M、C: 0.3-10M、D: 0.3-15M、E: 0.3-20M、F: 0.3-25M、G: 0.3-30M、H: 0.3-40M。

Note: The mode of output is detailed in the specification on the next page. If there is no requirement, the default is figure A. Special specifications can be customized, detection distance A: 0.3-3M, B: 0.3-6M, C: 0.3-10M, etc. D: 0.3-15M, E: 0.3-20M, F: 0.3-25M, G: 0.3-30M, H: 0.3-40M.