

KELI

科力

Shandong Keli Opto-electronic Technology Co., Ltd.



LCS II light curtain

Widely used in automation field

LCS II light curtain

LCS II light curtain is designed for the automation field, with small size, compact structure and strong anti-interference ability, and the product meets IEC 61496-1 and IEC 61496-2 standards

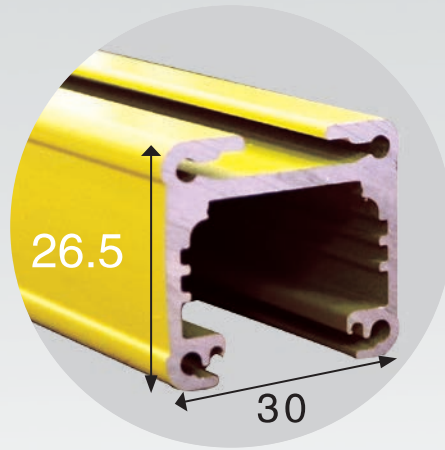


Safer

- Developed from TUV approved light curtain technology platform ;
- Implementation standards: GB4584, IEC 61496-1 and IEC 61496-2 ;

More flexible

- small size, internal skeleton support, stable and reliable structure ;
- The most cost-effective miniaturized grating with superior performance ;
- flexible installation (front-mounted, side-mounted and T-slot installation) ;
- NPN and PNP integrated, flexible wiring, no controller conversion required ;

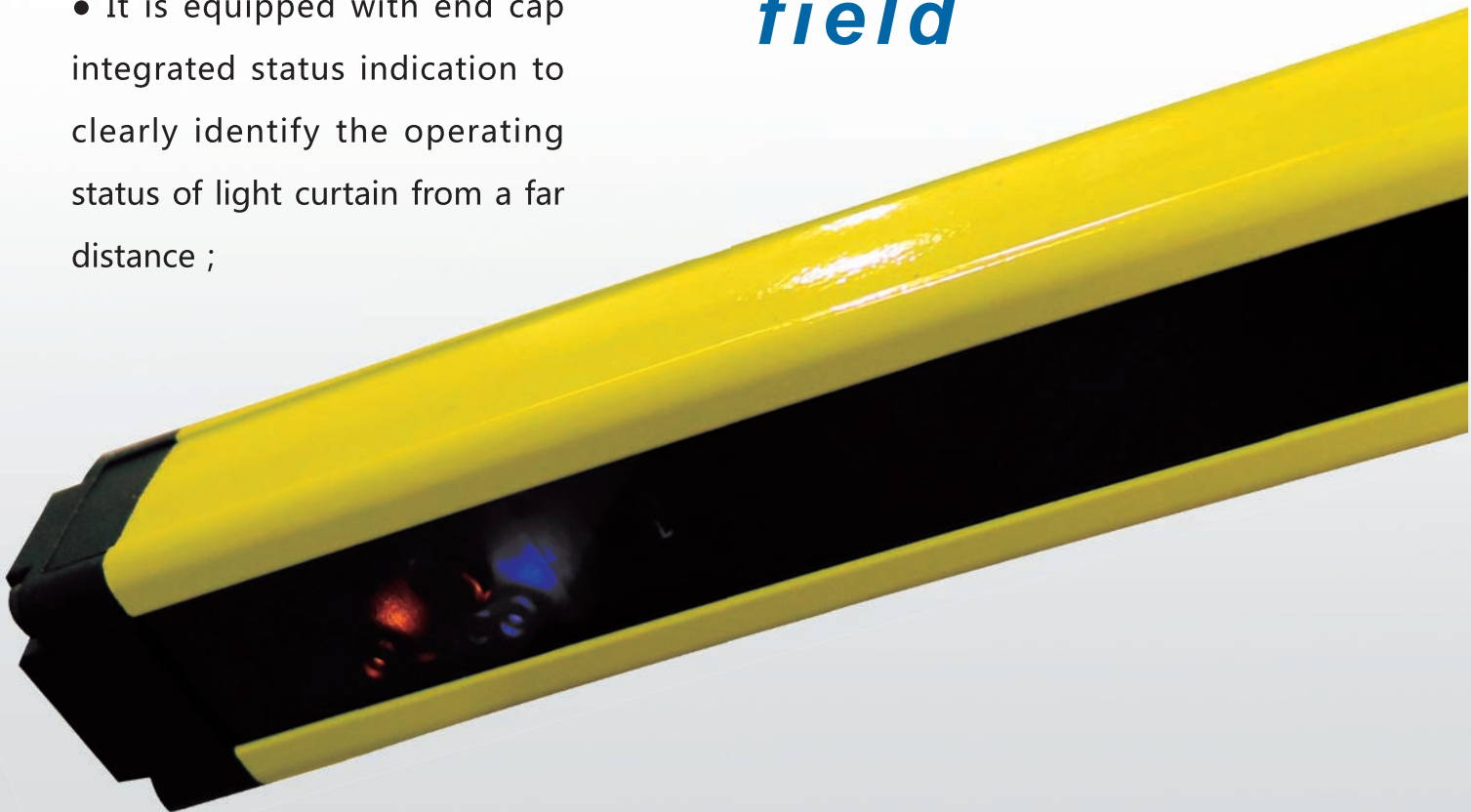


Thicker aluminum profile with an average thickness of 2mm, more resistant to shock and vibration

More stable

- CAN bus communication is used to ensure the security and anti-interference ability of system ;
- It is equipped with end cap integrated status indication to clearly identify the operating status of light curtain from a far distance ;

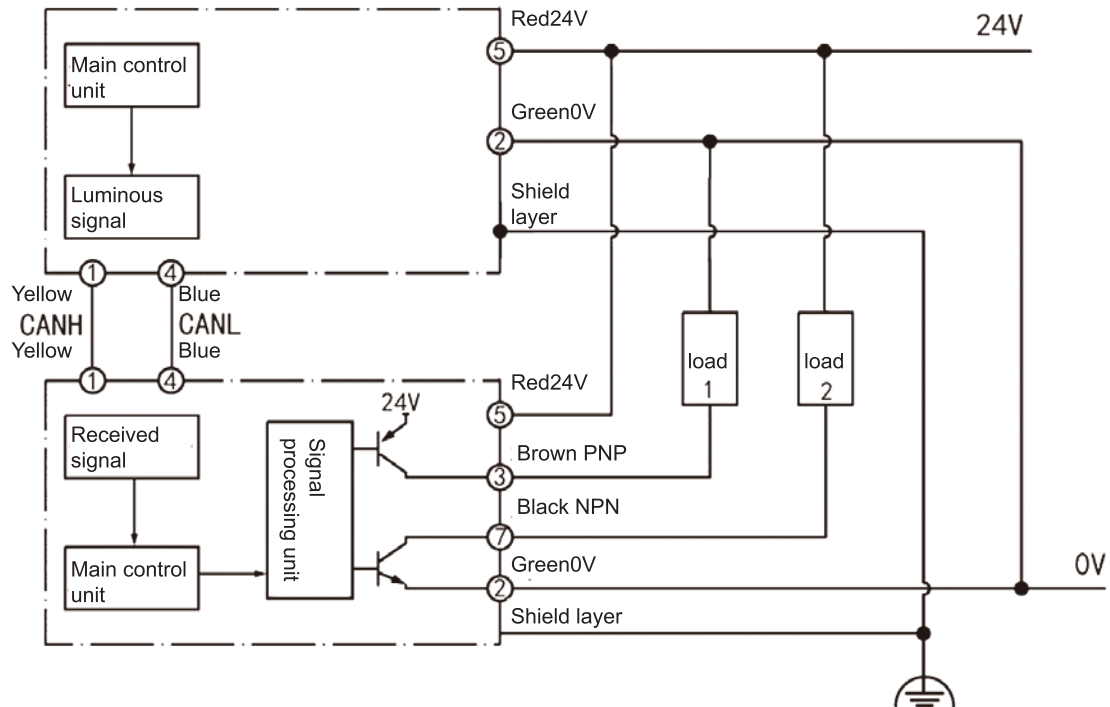
***Widely
used in
automation
field***



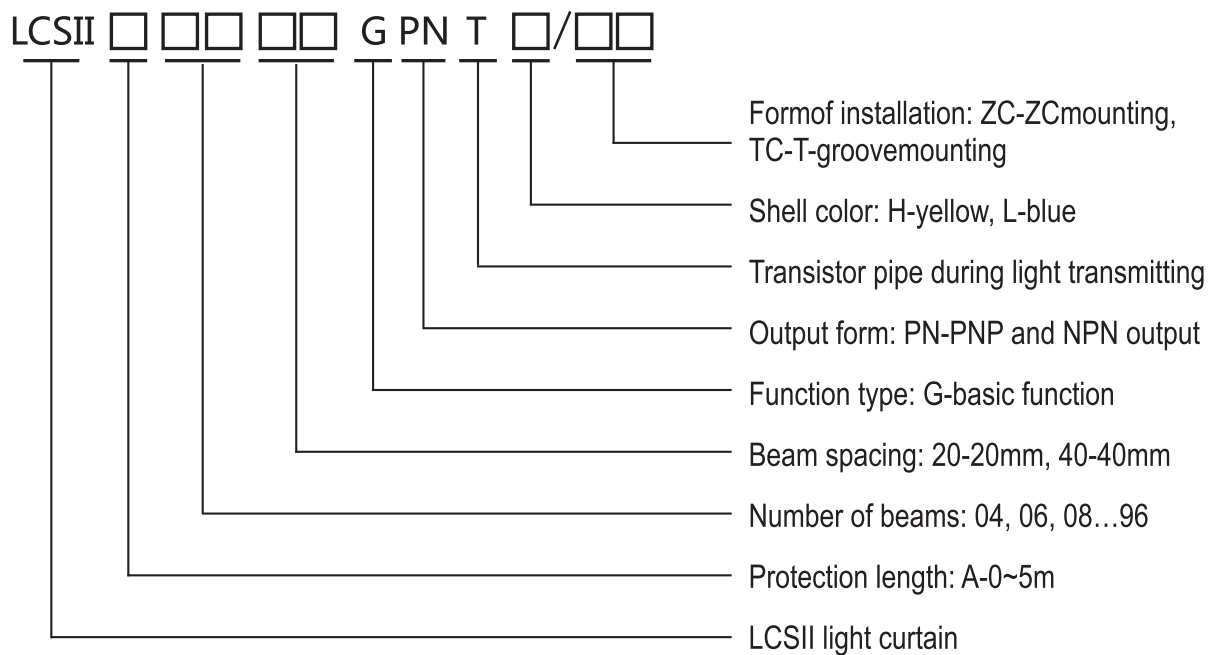
Application scenario



Interface principle



Specifications model



Technical parameters

Optical Characteristics		
Detection light source	Infrared LED (central wavelength of 850nm)	
Beam spacing	20mm	40mm
Detection capability	30mm	50mm
Number of beams	8、12、16…96	4、6、8…48
Operating range	0~5m	
Protective height	20 spacing: 20× (Number of beams-1) Unit: mm	
	40 spacing: 40× (Number of beams-1)+20 Unit: mm	
EAA	<5°	
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
Light interference resistance		10000 Lux
EMC		Meet Type 4 light curtain standards
Vibration resistance		Frequency: 10Hz~55Hz; amplitude: 0.35 ± 0.05 mm; number of scans: three axes, 20 times per axis
Shock resistance		Acceleration: 10g; pulse duration: 16 ms; number of collisions: three axes, 1000 ± 10 times per axis
IP code		IP54
Dimensions		26.5×30×Jmm (J is the length of emitter/receiver)
Electrical characteristics		
Power supply		DC24V±10%
Consumption current	Emitter	≤30mA
	Receiver	≤80mA (No-load)
Response time		8.4~84ms (With the progressive increase of protection height, the response time is increased)
Output characteristics	NPN output	NPN transistor output;transistor turns on when light curtan is unblocked, load capacity≤ 200mA, output voltage≤ 2V. Transistor turns off when light curtan is blocked, output voltage≥VCC-2V.
	PNP output	PNP transistor output; transistor turns on when light curtan is unblocked,load capacity≤200mA, output voltage≥VCC-2V.Transistor turns off when light curtan is blocked, output voltage≤2V.

ADD : A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, JiNing, ShanDong, China.

Tel : 0537-2168110 0537-2338345 Web : <http://www.sdkeli.com> Email : shichang@sdkeli.com