

KELI 科力

SENSOTEC
sensing & control

Jining Keli Photoelectronic Industrial Co.,Ltd



Содержание



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SENSOTEC
sensing & control

01

➤ **О компании**

SENSOTEC
sensing & control



Jining Keli Photoelectronic Industrial Co.,Ltd. была основана 1997. Уже 26 лет компания занимается исследованиями, продвижением и применением фотоэлектрических устройств безопасности.

Ключевые продукты:

- Световые завесы безопасности;
- Световые завесы для автоматизации;
- Лазерные сканеры безопасности;
- Лидары;
- Лазерные предохранители для тормозных прессов.

Миссия компании:

1 Большое внимание уделяется качеству

1. Сертификация по ISO 9000 в 1998 г.;
2. Соглашение о долгосрочном стратегическом партнёрстве с TUV Rheinland;
3. Сертификация по ISO 9001:2015 в 2018 г.

2 Лидер отрасли на рынке Китая:

1. Высокотехнологичная инновационная компания;
2. В 2014 г. создан первый в Китае лазерный сканер безопасности.

1. В 2016 г. создан первый в Китае лидар;
2. Первая в Китае световая завеса безопасности, сертифицированная TUV (2018 г.)
3. Динамичное развитие:
 1. Оборот 150 млн юаней в 2022 г.;
 2. Известные бренды доверяют продукции компании.



Ценности компании:

Ориентация на клиента, повышение ценности для клиентов за счёт постоянного совершенствования качества изготовления и обслуживания, взаимовыгодное развитие заказчиков и KELI.



Миссия компании:

Расширять возможности обеспечения безопасности в промышленной автоматизации, строить гармоничное общество, быть надёжным партнером.



Стратегия компании:

Стать мировым лидером в сфере поставок интеллектуальных датчиков и устройств безопасности.



Награды и грамоты:



Высокотехнологичное инновационное
предприятие.

Награды и грамоты:



Certificate

Standard **ISO 9001:2015**
Certificate Registr. No. **01 100 1832350**

Certificate Holder:
KELi 科力
Jining Keli Photoelectric Industrial Co., Ltd.
Unified Social Credit Code: 91370800165948326A
Registration Address: Building E2, Laser Research Institute Park,
No. 46 Haichuan Road, High-Tech Zone,
Jining City, 272000 Shandong, P.R. China
Operation Address: same as above

Scope: Design, Manufacturing and Service of Electro-Sensitive Safety Sensors and Controllers

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2022-09-26 until 2024-10-12. It remains valid subject to satisfactory surveillance audits. First certification 2015. This certificate information can be searched on CNCA official website <http://www.cnca.gov.cn>

2022-09-27


TÜV Rheinland Cert GmbH
Am Grauen Stein - 51105 Köln

Authorized responsible office: TÜV Rheinland China Ltd., Room 301, 3F and Room 1203, 12F, Building 4, No.15, Ronghua South Road, Beijing Economic-Technological Development Area, Beijing (Yizhuang group in High-end industrial area of Beijing Pilot Free Trade Zone), 100178, P. R. China

www.tuv.com    Precisely Right.

Сертификат качества

CERTIFICATE of Conformity



EC Council Directive 2014/30/EU
Electromagnetic Compatibility

Registration No.: **AE 50445731 0002**
Report No.: **50269387 001**

Holder: **Jining Keli Photoelectric Industrial Co., Ltd.
A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining City, Shandong Province 272000 P. R. China**


Product: **Protective Equipment (Safety Light Curtain)**


Identification: (Continued from page 0001) where: Z can be 14 or 30 or 46, it denotes detection capability in mm.)
Serial No.: Engineering sample
Remark: Refer to test report 50269387 001 for details.

Tested acc. to: **EN 61326-1:2013**

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the a.m. Directive.

Date **02.09.2019**


Certification Body

Sun Lixun


TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

☐ The CE marking may only be used if all relevant and effective EC Directives are complied with. ☐

Сертификат ЭМС для
завес серии SMT

EC Type-Examination CERTIFICATE



according to Directive 2006/42/EC Article 12(3)(b) and Article 12(4)(a)
on safety of machinery referred to in Annex IV

Certificate No.: **M3 69262172 0001**
Test Report No.: **28250408 001**

Certificate Holder: **Jining Keli Photoelectric Industrial Co., Ltd.
A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining city, Shandong Province 272000, P.R. China**

Manufacturer: **Jining Keli Photoelectric Industrial Co., Ltd.
A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining city, Shandong Province 272000, P.R. China**

Product: **Safety Light Curtain**


Identification: Type references: **SMT type family SMTXTP14G; SMTXTP30G; SMTXTP46G**
where:
X can be A, B or C (It denotes protection distance.
A can be 0-8m; B can be 0-15m; C can be 0-40m)
Y can be 0232; 0352; 0472; 0592; 0712; 0832; 0952; 1072; 1192; 1312; 1432; 1552; 1672; 1792; 1912; 2032; 2152; 2272; 2392; 2512; 2632; 2752; 2872; (It denotes protective height in mm.)
Ratings: 24V DC, IP65/IP67, Type 4, Category 4, PL e


See details in Annex of this certificate. The products also comply with the requirements of standard EN 61496-1:2013 and EN 61496-2:2013

Date of Validity: **2024.09.04**

This type-examination certificate refers to the above mentioned product. This is to certify that the test sample is in conformity with the requirements of Annex I of the Directive. The Certificate Holder is entitled to use this certificate in connection with the EC Declaration of Conformity in accordance with Annex II of the Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The certificate is valid up to the date of validity provided that the test specifications and construction of the product remain unchanged during the period of validity.



Date of issue: **Budapest, 2019.09.05**

Certification Body

Renzhong Schmidt


TÜV Rheinland InterCert Kft. - Product Certification Body - H-1132 Budapest, Városliget 48/A-B - www.tuv.hu
Notified under No. 1008 to the EC Commission

☐ The CE marking may be used if all relevant and effective EC Directives are complied with. ☐

Сертификат MD для
завес серии SMT

Zertifikat		Certificate		
Zertifikat Nr. Certificate No. R 50431478	Blatt Sheet 0001			
Ihr Zeichen Client Reference S. G. C.	Unser Zeichen Our Reference 01-Wuchale-50225533	Anstellungsdatum 01.03.2019	Date of Issue (day/month/year)	
Genehmigungsinhaber License Holder Jining Keli Photoelectronic Industrial Co., Ltd. A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining City, Shandong Province P. R. China		Fertigungsstätte Manufacturing Plant Jining Keli Photoelectronic Industrial Co., Ltd. A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining City, Shandong Province P. R. China		
Prüfzeichen Test Mark 	Geprüft nach Tested acc. to EN ISO 13849-1:2015 EN 61496-1:2013 EN 61496-2:2013	Type Approved Safety Regular Production Surveillance www.tuv.com ID: 1418067067		
Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification) Light Protection Device (Safety Light Curtain)		Lizenzentgelte - Einheits License Fee - Unit		
Type Designation: CT4 type family CT4XYP14G; CT4XYP30G; CT4XYP46G where X can be A or B (It denotes protection distance. A can be 0 - 8m; B can be 0 - 15m) Y can be 0232; 0352; 0472; 0592; 0712; 0832; 0952; 1072; 1192; 1312; 1432; 1552; 1672 (It denotes protective height in mm)	10			
Ratings : 24V DC, IP65/IP67, Type 4, Category 4, PL e				
Remark: Type tests refer to Certificate M3 69261622 0001 and report 28248744 001		10		
ANLAGE (Appendix): 1.0		Zertifizierungsstelle		
<small>Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bedarf der Zustimmung der zuständigen Behörden in den Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich beachtet werden. Die Herstellungs- und Prüfverfahren des zertifizierten Produktes sind überprüfbar. This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.</small>		 Zhao Xinhua		
TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg Tel.: +49 221 806-1371 e-mail: cert-validity@tgv.com Fax: +49 221 806-3035 http://www.tuv.com/safety				

CERTIFICATE		
of Conformity		
EC Council Directive 2014/30/EU Electromagnetic Compatibility		
Registration No.:	AE 50431551 0001	
Report No.:	50176284 001	
Holder:	Jining Keli Photoelectronic Industrial Co., Ltd. A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining City, Shandong Province 272000 P. R. China	
Product:	Protective Equipment (Safety Light Curtain)	
Identification:	Type Designation: CT4 type family CT4XYP14G; CT4XYP30G; CT4XYP46G where: X can be A or B (It denotes protection distance. A can be 0 - 8m; B can be 0 - 15m) Y can be 0232; 0352; 0472; 0592; 0712; 0832; 0952; 1072; 1192; 1312; 1432; 1552; 1672 (It denotes protective height in mm) Serial No.: N/A Remark: Refer to test report 50176284 001 for details.	
Tested acc. to:	EN 61326-1:2013	
<small>This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the a.m. Directive.</small>		
Date	21.03.2019	Certification Body  Sun Lixun
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg		
CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE		


EC Type-Examination		
CERTIFICATE		
according to Directive 2006/42/EC Article 12(3)(b) and Article 12(4)(a) on safety of machinery referred to in Annex IV		
Certificate No.:	M3 69261622 0001	
Test Report No.:	28248744 001	
Certificate Holder:	Jining Keli Photoelectronic Industrial Co., Ltd. A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining city, Shandong Province 272000, P.R. China	
Manufacturer:	Jining Keli Photoelectronic Industrial Co., Ltd. A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining city, Shandong Province 272000, P.R. China	
Product:	Safety Light Curtain	
Identification:	Type references: CT4 type family CT4XYP14G; CT4XYP30G; CT4XYP46G where: X can be A or B (It denotes protection distance. A can be 0 - 8m; B can be 0 - 15m) Y can be 0232; 0352; 0472; 0592; 0712; 0832; 0952; 1072; 1192; 1312; 1432; 1552; 1672 (It denotes protective height in mm) Ratings: 24V DC, IP65/IP67, Type 4, Category 4, PL e See details in Annex of this certificate. The products also comply with the requirements of standard EN 61496-1:2013 and EN 61496-2:2013	
Date of Validity:	2024.03.17	
<small>This type-examination certificate refers to the above mentioned product. This is to certify that the test sample is in conformity with the requirements of Annex I of the Directive. The Certificate Holder is entitled to use this certificate in connection with the EC Declaration of Conformity in accordance with Annex II of the Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The certificate is valid up to the date of validity provided that the test specifications and construction of the product remain unchanged during the period of validity.</small>		
Date of issue:	Budapest, 2019.03.18	
TÜV Rheinland InterCert Kft. - Product Certification Body - H-1132 Budapest, Mecsi ut 48/A-B - www.tuv.hu Notified under No. 1008 to the EC Commission The CE marking may be used if all relevant and effective EC directives are complied with.		

Сертификат функциональной безопасности TUV для завес серии CT4

Сертификат MD для завес серии CT4

Сертификат ЭМС для завес серии CT4

CERTIFICATE
of Conformity
EC Council Directive 2014/30/EU
Electromagnetic Compatibility


TÜVRheinland®

Registration No.: AE 50445674 0001
Report No.: 50269385 001


Holder: Jining Keli Photoelectric Industrial Co., Ltd.
A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining City, Shandong Province 272000 P. R. China

Product: Protective Equipment (Safety Light Curtain)

Identification: Type Designation: KS06XYZGE KS06XYZGR-2PT
where: (X can be A or B or D, it denotes protection distance, A can be 0 to 3 m, B can be 0 to 12 m, D can be 0 to 20 m, Y can be 04; 06; 08; 10; 12; 14; 16; 18; 20; 22; 24; 26; 28; 30; 32; 34; 36; 38; 40; 42; 44; 46; 48; 50; 52; 54; 56; 58; 60; 62; 64; 66; 68; 70; 72. Z can be 10; 20; 30; 40)
Serial No.: Engineering sample
Remark: Refer to test report 50269385 001 for details.

Tested acc. to: EN 61326-1:2013

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the a.m. Directive.

Certification Body

Sun Lixun


Date: 02.09.2019

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may only be used if all relevant and effective EC Directives are complied with. CE

Сертификат ЭМС для
завес серии KS06

**EC Type-Examination
CERTIFICATE**


TÜVRheinland®

according to Directive 2006/42/EC Article 12(3)(b) and Article 12(4)(a)
on safety of machinery referred to in Annex IV

Certificate No.: M3 69262171 0001
Test Report No.: 28250407 001

Certificate Holder: Jining Keli Photoelectric Industrial Co., Ltd.
A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining city, Shandong Province 272000, P.R. China


Manufacturer: Jining Keli Photoelectric Industrial Co., Ltd.
A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining city, Shandong Province 272000, P.R. China

Product: Safety Light Curtain

Identification: Type references: KS06 type family
KS06XY10G-2PT; KS06XY20G-2PT;
KS06XY30G-2PT; KS06XY40G-2PT
where:
X can be A, B or D
(It denotes protection distance. A can be 0-3m; B can be 0-12m; D can be 0-20m)
Y can be 04-72 (It denotes the number of beams.)
Ratings: 24V DC, IP65, Type 4, Category 4, PL e
See details in Annex of this certificate.
The products also comply with the requirements of standard EN 61496-1:2013 and EN 61496-2:2013

Date of Validity: 2024.09.04

This type-examination certificate refers to the above mentioned product. This is to certify that the test sample is in conformity with the requirements of Annex I of the Directive. The Certificate Holder is entitled to use this certificate in connection with the EC Declaration of Conformity in accordance with Annex II of the Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The certificate is valid up to the date of validity provided that the test specifications and construction of the product remain unchanged during the period of validity.

Certification Body

Elisabeth Schmidt


Date of issue: Budapest, 2019.09.05

TÜV Rheinland InterCert Kft. – Product Certification Body – H-1132 Budapest, Várkeresztény utca 11/A-B – www.tuv.hu
Notified under No. 1008 to the EC Commission

The CE marking may be used if all relevant and effective EC directives are complied with.

Сертификат MD для
завес серии KS06

Certificate


TÜVRheinland®

Certificate no.: CU 72202582 01

License Holder: Shandong Keli Opto-electronic Technology Co., Ltd
Room 211, No. 5 Building,
1659-3 Keyuan Road, Suncun District
Jinan High-tech Zone,
250100 Shandong
P.R. China

Manufacturing Plant: Jining Keli Photoelectric Industrial Co., Ltd.
A3 Building, Industrial & Education & Research Base of Jining High-Tech Zone, Jining City
272000 Shandong
P.R. China

Test report no.: USA-ZXH 60387187 001
Client Reference: S.G.C

Tested to: CAN/CSA-C22.2 NO. 61010-1-12 + GI1 + GI2 (R2017) + A1
UL 61010-1:2012 R11.18

Certified Product: Laser Measuring Equipment (Lidar) **License Fee - Units**


Type Designation : LSx27y/zk **5**
x-06, 10, 20; y-BN, BP, DE
z-H, M; k-03, 05

Rated Voltage and Power: 10-28V d.c.; <3.5W

Degree of Protection : IP65

Remark : Only Suitable for Object detection
not for human.

Appendix: 1.0 **5**

Licensed Test mark:  **US**

Date of Issue (day/mo/yr) 17/07/2020

TÜV Rheinland of North America, Inc., 12 Commerce Road, Newtown, CT 06470, Tel (203) 426-0888 Fax (203) 426-4009

Сертификат ЭМС для лидаров
серии LS (США)

ZERTIFIKAT ♦ CERTIFICATE ♦ 認證證書 ♦ СЕРТИФИКАТ ♦ CERTIFICADO ♦ CERTIFICAT



Attestation of Conformity

No. E8A 084242 0001 Rev. 00

Holder of Certificate: Jining Keli Photoelectronic Industrial Co., Ltd.
No. 46, Haichuan Road, High-tech Zone
272000 Jining, Shandong Province
PEOPLE'S REPUBLIC OF CHINA

Name of Object: Electrical equ. for measurement, control and laboratory use
LS lidar

Trade name: SDKELI

Model(s): LS, LS2, LSE

Description of Object: Rated voltage: 9-30V d.c.
Power consumption: <3W
Charge voltage (with adapter): 100-240V~, 50/60Hz

Tested according to: EN 61326-1:2013

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with all essential requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 4842017272101

Date, 2021-11-04

(Ming Gu)

Page 1 of 1
After preparation of the necessary technical documentation as well as the EU Declaration of conformity the required CE marking can be affixed on the product. That Declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany



CERTIFICATE of Conformity

EC Council Directive 2014/30/EU
Electromagnetic Compatibility

Registration No.: AE 50558671 0001

Report No.: CN21D2T0 001

Holder: Jining Keli Photoelectronic Industrial Co., Ltd.
Building E2, Laser Research Institute Park, No. 46 Haichuan Road, High-Tech Zone, Jining City, Shandong Province 272000
272000 Shandong P.R. China

Product: Laser Measuring Equipment (Safety Lidar)

Identification: Type Designation: KLMw-x27y
(w can be No added letter or s (It denotes product series. No added letter can be KLM standard series; s can be KLM Mini series) .x can be 03; 04; 06; 09 (It denotes Maximum scan radius. 03 can be 3m@1.8% reflectance; 04 can be 4m@1.8% reflectance; 06 can be 6m@1.8% reflectance; 09 can be 9m@1.8% reflectance). 27 denotes Scanning angle, it represents 27°.
continued on page 0002.

Tested acc. to: EN IEC 61326-1:2021

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex I of Council Directive 2014/30/EU. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to the a.m. Directive.



Certification Body

Gang Wang

Date 17.11.2022

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may only be used if all relevant and effective EC Directives are complied with CE

Сертификат ЭМС для лидаров серии LS

Сертификат ЭМС для серии KLM



Certificate

Certificate no. **CU 72227250 01**

License Holder: Jining Keli Photoelectric Industrial Co., Ltd. No. 46, Haichuan Road, High-Tech Zone, Jining City, 272000 Shandong P.R. China	Manufacturing Plant: Jining Keli Photoelectric Industrial Co., Ltd. No. 46, Haichuan Road, High-Tech Zone, Jining City, 272000 Shandong P.R. China
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Test report no.: USA-ZXHCN225E60 001 Client Reference: S.G.C

Tested to: CAM/CSA-C22.2 NO. 61010-1-12 + GI1 + GI2 (R2017) + A1
UL 61010-1:2012 R11.18

Certified Product: Laser Measuring Equipment (Lidar)	License Fee - Units
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Type Designation	: KLMs-v27y x - 03, 04 y - BP, PE	5
Rated Voltage and Power:	: 24V d.c.; <10W	
Degree of Protection	: IP65	
Remark	: Only Suitable for Object detection not for human.	
Appendix:	1.0	5

Licensed Test mark:	Date of Issue (day/mo/yr)
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TUV Rheinland of North America, Inc., 285 Foster Street, Suite 100, Littleton, MA 01460, Tel +1 (978) 266 9900, Fax +1 (978) 266 9902



Safenet Certification Services Ltd.

204 Roselawn House, National Technology Park, Limerick, V94 6R68, Ireland
Tel: +353 61 633 604 e-mail: office@safenets.ie Website: www.safenets.ie

EU Type Examination Certificate

This is to certify that

Shandong Keli Opto-Electronic Technology Co., Ltd.

Room 211, No. 5 Building, 1659-3 Keyuan Road, Suncun District, Jinan High-Tech Zone, Shandong Province, China

Has had a range of LSPD Safety Laser Scanners examined with regards to the Electromagnetic Compatibility Directive 2014/30/EU.

With reference to model **LSPD**

Manufactured by:

Jining Keli Photoelectric Industrial Co., Ltd.

No. 46, Haichuan Road, Rencheng District, Jining City, Shandong Province, China

1. The technical construction file contains all the relevant information.
2. Having verified that the appropriate tests have been conducted, with regard to the LSPD representing the range.
 - 2.1. The example has been manufactured in accordance with the technical construction file and may be used under the intended conditions
 - 2.2. The standards and transposed standards as the case may be, have been applied correctly.
 - 2.3. The example has conformity with the protection requirements of Electromagnetic Compatibility Directive 2014/30/EU.
 - 2.4. The technical file contains all the information required to include the following models LSPD, LSPDM and KLM.

Certificate Number: 1499120620 version 3
Date of Issue: 07/07/2020


Signed for Safenet Certification Services Ltd.





Peter McNicol
Technical Manager

This Document remains the property of Safenet Certification Services Ltd and will be returned to them if so requested. The client is required to request a review to ensure continued compliance of the machinery on a 5 yearly basis to check for changes in the state of the art and validity of the certificate.



Safenet Certification Services Ltd.

204 Roselawn House, National Technology Park, Limerick, V94 6R68, Ireland
Tel: +353 61 633 604 e-mail: office@safenets.ie Website: www.safenets.ie

European Notified Body 2805

EC Type Examination Certificate

This is to certify that

Shandong Keli Opto-Electronic Technology Co., Ltd.

Room 211, No. 5 Building, 1659-3 Keyuan Road, Suncun District, Jinan High-Tech Zone, Shandong Province, China

Has had a range of LSPD Safety Laser Scanners examined with regard to the Directive 2006/42/EC as amended.

In respect of the **LSPD**

Manufactured by:

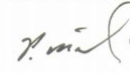


Jining Keli Photoelectric Industrial Co., Ltd.

No. 46, Haichuan Road, Rencheng District, Jining City, Shandong Province, China

1. The technical file contains all the relevant information.
2. Having verified that the appropriate tests have been conducted.
 - 2.1. The standards and transposed standards, including EN 61496-3:2019 and EN 61496-1:2013, have been applied correctly.
 - 2.2. The example representing series production of the item, complies with the essential health and safety requirements of the Directive 2006/42/EC as amended.
 - 2.3. The file contains all the information to include the following models in the certification LSPD, LSPDM and KLM.
 - 2.4. The technical file also contains evidence of compliance with EN 61496-1:2013 TYPE 3 and EN 61496-3:2019 TYPE 3, and is suitable for applications regarding EN ISO 13849-1:2015 PL d.

Certificate Number: 1498120620 version 3
Date: 07/07/2020

Signed for Safenet Certification Services Ltd.

Peter McNicol
Technical Manager

This Document remains the property of Safenet Certification Services Ltd and will be returned to them if so requested. The client is required to request a review to ensure continued compliance of the machinery on a 5 yearly basis to check for changes in the state of the art and validity of the certificate.

Сертификат ЭМС для
серии KLMs (США)

Сертификат ЭМС для
лазерных сканеров
безопасности

Сертификат MD для
лазерных сканеров
безопасности



Safenet Limited

Denford Garage, Denford, Kettering, Northants., NN14 4EQ, U.K.

Tel: +44 1832 732 174 e-mail: office@safenet.co.uk Website: www.safenet.co.uk

European Notified Body 1674

EU Type Examination Certificate

This is to certify that

Shandong Keli Opto-Electronic Technology Co., Ltd.

620#, Qilu Soft Park Building, South Head of Xinyu Road, Jinan High-Tech Zone, Jinan City, Shandong Province, China

Has had a BLPS Laser Safety Protective Device examined with regards to the Electromagnetic Compatibility Directive 2014/30/EU.

With reference to model **BLPS**

Manufactured by:

Jining Keli Photoelectronic Industrial Co., Ltd.

A3 Industry Education & Research Base of Jining National High-Tech Zone, Shandong, China

1. The technical construction file contains all the relevant information.
2. Having verified that the appropriate tests have been conducted, with regard to the BLPS:
 - 2.1. The example has been manufactured in accordance with the technical construction file and may be used under the intended conditions.
 - 2.2. The standards and transposed standards as the case may be, have been applied correctly.
 - 2.3. The example has conformity with the protection requirements of Electromagnetic Compatibility Directive 2014/30/EU.

Certificate Number: 5877150616 version 2

Date: 28/07/2016

Signed for Safenet Limited

Peter McNicol
Technical Manager

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Safenet will review the continued compliance of the machinery on a 5 yearly cycle to check for changes in the state of the art.

SENSOTEC
sensing & control



Сертификат ЭМС
для серии BLPS

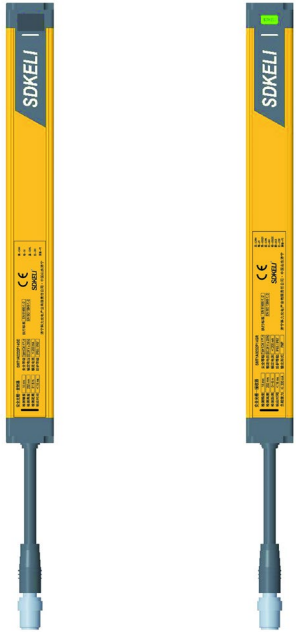
02

Ассортимент

SENSOTEC
sensing & control



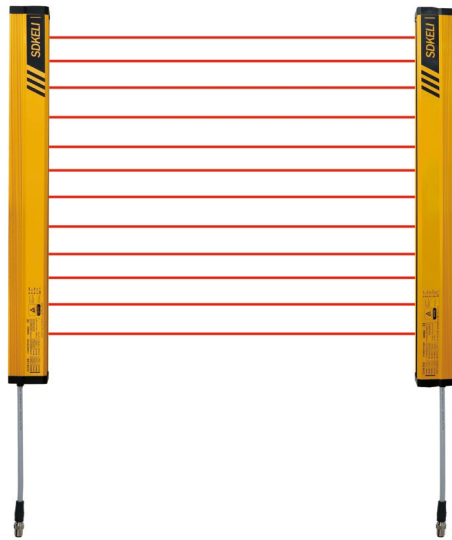
Световые завесы безопасности



Разрешение: 14 мм, 30 мм, 46 мм
Высота защиты: от 232 до 2872 мм
Рабочий диапазон: 0-8 м, 0-15м
Выход: 2 шт. PNP / 2 шт. NPN
Сертификация CE

Световые завесы безопасности серии SMT1

Световые завесы безопасности



Разрешение: 14 мм, 30 мм, 46 мм
Высота защиты: от 232 до 1672 мм
Рабочий диапазон: 0-8 м, 0-15 м
Выход: 2 шт. PNP
Сертификат функциональной безопасности TUV

Световые завесы безопасности серии СТ4

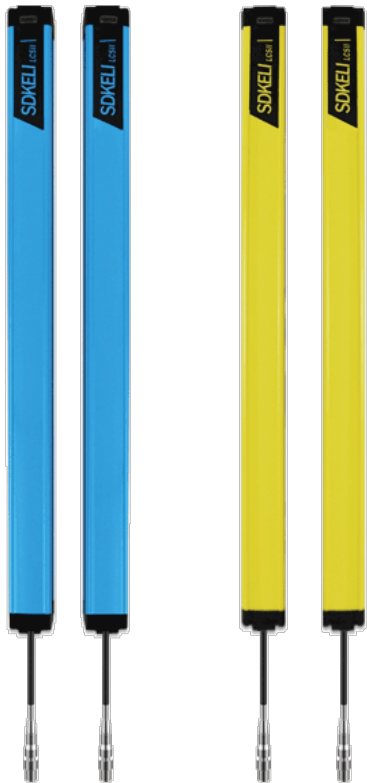
Световые завесы безопасности



Серия KS06

Разрешение: 28 мм, 48 мм
Высота защиты: от 100 до 2840 мм
Рабочий диапазон: 0-6м, 0-12м
Выход: 2 шт. PNP / 2 шт. NPN / 2O / 2C / OC
Сертификация CE

Световые завесы для автоматизации – серия LCS II



Разрешение: 30мм, 50мм
Высота защиты: от 140 до 1900 мм
Рабочий диапазон: 0-5м
Выход: PNP/NPN

Для задач, не требующих
обеспечения безопасности
персонала

Лидар безопасности серии KLMs

Сертификат функциональной безопасности TUV

Выход: PNP/PNP и Ethernet

Макс. расстояние сканирования: 4 м

при отражательной способности 1.2%

Угол сканирования: 276°



德国莱茵TÜV
功能安全认证

Лидар безопасности серии KLM

Выход: PNP / Ethernet / PNP и Ethernet

Макс. расстояние сканирования: 30 м

при отражательной способности 20%

Угол сканирования: 276°/360°



Лидар серии LS2

Выход: PNP / NPN / Ethernet

Макс. расстояние сканирования: 20 м

Угол сканирования: 270°

Для задач, не требующих обеспечения безопасности персонала



Лазерный сканер безопасности серии LSPD

Выход: PNP

Макс. расстояние защитной зоны: 3 м

Угол сканирования: 270°



Лазерный сканер безопасности серии LSPD

Выход: PNP

Макс. расстояние зоны тревоги: 15 м

Макс. расстояние зоны защиты: 7 м

Угол сканирования: 190°

Планируется снятие с производства.



Контроллер безопасности серии SPC

Сертификация SGS, уровень безопасности:
SIL 3, PL e, Cat. 4.

Богатый выбор интерфейсов вывода для интеграции с механическими выключателями, фотоэлектрическими сенсорами, энкодерами (TTL, HTL, RS422, 1VSS), лидарами, реле безопасности, моторизованными контакторами и пр. оборудованием



03 **Применения**

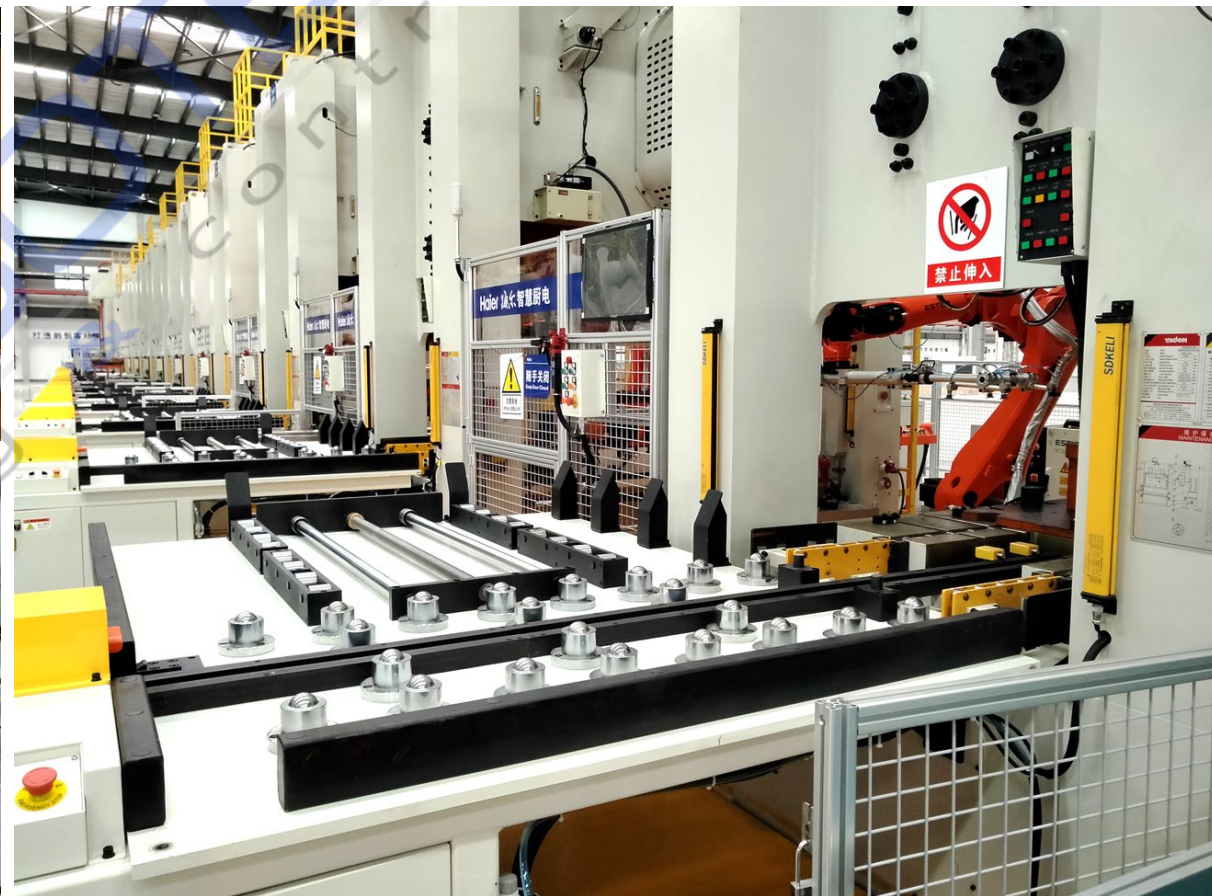
SENSOTEC
sensing & control



Защита пресс-машины



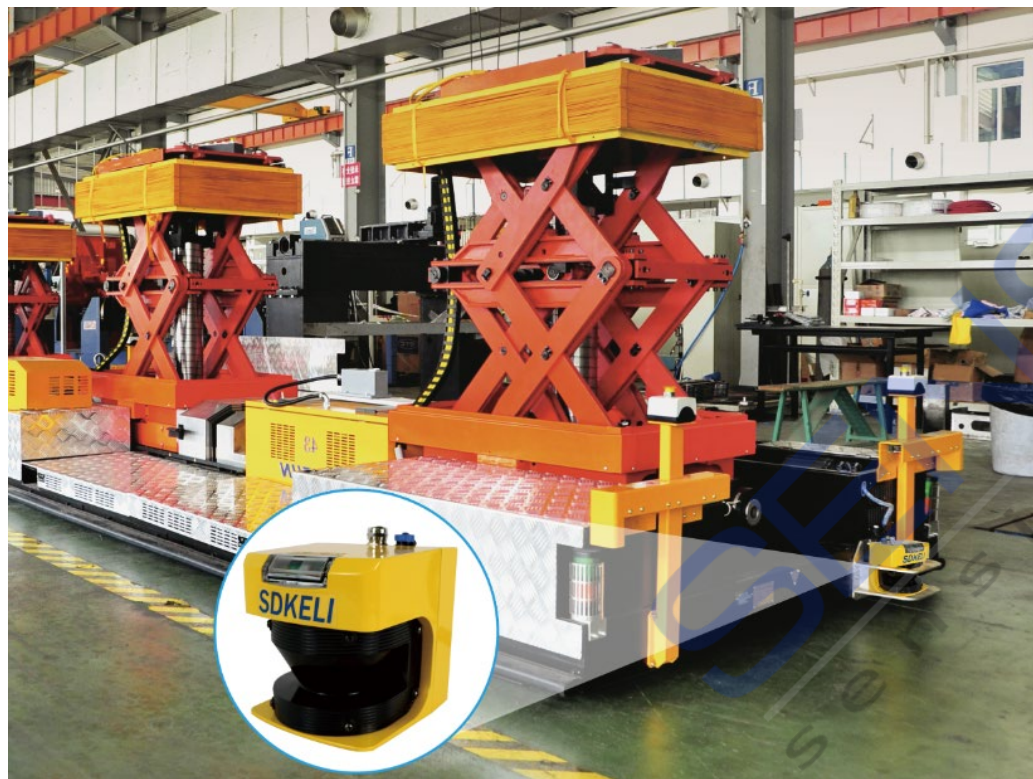
Защита автоматики



Защита тормозного пресса



Защита зон и AGV-тележек



Защита вилочных погрузчиков



Партнёры

济宁科力光电产业有限责任公司
Jining KeLi Photoelectronic Industrial Co.,Ltd

FOXCONN
富士康科技集团

YANGLI
扬力集团

YADON
扬州锻压机床

Yawei 亚威

JIER
济南二机床集团有限公司
JIER MACHINE-TOOL GROUP CO.,LTD.

广东锻压

GREE

Midea

ООО "СЕНСОТЕК"

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в России и СНГ

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中国一汽

北京地铁
BEIJING SUBWAY

深圳地铁
SHENZHEN METRO