

# CERTIFICATE

Issued to:  
Applicant:  
**DongGuan Littelfuse Electronics Co., Ltd.**  
East Nanfang Road, Beice, Humen, Dongguan,  
Guangdong Province, China

Manufacturer/Licensee:  
**DongGuan Littelfuse Electronics Co., Ltd.**  
East Nanfang Road, Beice, Humen, Dongguan,  
Guangdong Province, China

Product(s) : Surge Protective Device  
Trade name(s) :



Type(s)/model(s) : LSP10GIHP277SXXXXX

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61643-11:2012; IEC 61643-11:2011;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 3182815

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: 23 May 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3187362.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood  
Managing Director

Cliff Lin  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL





**SPECIFICATION OF THE CERTIFIED PRODUCT**

**Product data**

product	:	Surge Protective Device
trade name	:	
types	:	LSP10GIHP277SXXXXX
number of ports	:	Two
SPD type (Test class)	:	Type 2 (II) & Type 3 (III)
maximum continuous operating voltage (U <sub>C</sub> )	:	320 V~
nominal discharge current (I <sub>n</sub> 8/20μs)	:	10 kA
maximum discharge current (I <sub>max</sub> 8/20μs)	:	20 kA
open-circuit voltage for Type 3 (III) (U <sub>OC</sub> )	:	20 kV
voltage protection level (U <sub>p</sub> )	:	1000 V (L→N), 3800 V (L→PE), 2900 V (N→PE)
rated load current (I <sub>L</sub> )	:	5 A
short-circuit current rating (I <sub>SCCR</sub> )	:	300 A
modes of protection	:	L→N, L→PE and N→PE
connection	:	Pigtail connection
degree of protection	:	IP66
maximum overcurrent protection	:	21 A fuse-link

**TESTS**

**Test requirements**

IEC 61643-11:2011  
EN 61643-11:2012

**Test results**

The test results are laid down in DEKRA test file 3187362.50

**Conclusion**

The examination proved that all test requirements were met.

Tested by : R. Hong



Checked by : W. Liu



**Factory locations**

DongGuan Littelfuse Electronics Co., Ltd.  
East Nanfang Road, Beice, Humen, Dongguan, Guangdong Province, China

**List of components**

Component	Trade name	Type/Model	Approval mark <sup>1)</sup>
Refer to TRF 3187362.50			
1) * indicates a component tested as part of the product.			