

# CERTIFICATE

Issued to:  
Applicant:  
**MEAN WELL Enterprises Co., Ltd.**  
No.28, Wuquan 3rd Rd, Wugu District  
24891 New Taipei City, Taiwan

Licensee:  
**DongGuan Littelfuse Electronics Co., Ltd**  
Nanfang East Road, Beice, Humen,  
523925 Dongguan, Guangdong Province, China

Product : Surge Protective Device  
Trade name(s) : MEAN WELL  
Type(s)/model(s) : SPD-10S-277S

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 and EN 61643-11:2012/A11:2018
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 3182815

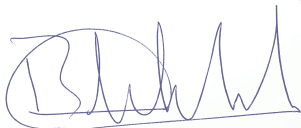
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 7 December 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-109616 REV.1

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



S. Lehner  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Surge Protective Device
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: SPD-10S-277S
Number of ports	: One
SPD type (Test class)	: Type 2 (II) & Type 3 (III)
Maximum continuous operating voltage (Uc)	: 320 V~
Nominal discharge current (In 8/20µs)	: 5 kA
Maximum discharge current (Imax 8/20µs)	: 10 kA
Open-circuit voltage for Type 3 (III) (Uoc)	: 10 kV
Voltage protection level (Up)	: 1400 V(L-N), 2400 V(L-PE), 2200 V(N-PE)
Rated load current (IL)	: 3,5 A
Short-circuit current rating (Iscrr)	: 300 A
Modes of protection	: L-N, L-PE and N-PE
Connection	: Pigtail connection
Degree of protection	: IP66
Maximum overcurrent protection	: 20 A gG fuse-link

**TESTS****Test requirements**

EN 61643-11:2012

EN 61643-11:2012/A11:2018

**Test result**

The test results are laid down in DEKRA test file 605935400.

**Additional information**

This certificate replaces certificate No. 31-109616 which we hereby declare invalid.

The list of components is laid down in test report 3177948.51 and 3177948.53.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

DongGuan Littelfuse Electronics Co., Ltd  
Nanfang East Road, Beice, Humen,  
523925 Dongguan, Guangdong Province, China