

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-20HP-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

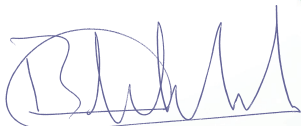
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

Certificate number: 31-103091 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



J. Marggraf
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Surge Protective Device
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: SPD-20HP-277S
Number of ports	: Two
SPD type (Test class)	: Type 2 (II) & Type 3 (III)
Maximum continuous operating voltage (Uc)	: 320 V~
Nominal discharge current (In 8/20µs)	: 10 kA
Maximum discharge current (Imax 8/20µs)	: 20 kA
Open-circuit voltage for Type 3 (III) (Uoc)	: 20 kV
Voltage protection level (Up)	: 1000 V (L-N), 3800 V (L-PE), 2900 V (N-PE)
Rated load current (IL)	: 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	: 21 A 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 602420300.

Additional information

This certificate replaces certificate No. 31-103091 which we hereby declare invalid.

The list of components is laid down in test report 3187362.50 and 3187362.51.

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