

CERTIFICATE

Issued to:
Applicant:
DEHN SE + Co KG
Hans-Dehn-Str. 1
92318 Neumarkt, Germany

Licensee:
DEHN SE + Co KG
Hans-Dehn-Str. 1
92318 Neumarkt, Germany

Product : Surge protective devices in photovoltaic applications
Trade name(s) : DEHN
Type(s)/model(s) : DCB YPV 1200 (FM) and DCB YPV 1500 (FM)

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 61643-31:2019
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 961720

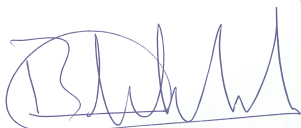
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

Certificate number: 71-116625

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 devices in photovoltaic applications
Trade name(s)	: DEHN
Type(s)/model(s)	: DCB YPV 1200 (FM) and DCB YPV 1500 (FM)
Note	: FM represents the remote signalling function offered
SPD design topology	: Voltage limiting
SPD type (Test class)	: Type 1 (I) and Type 2 (II)
Modes	: DC+ <-> DC- DC+/- > PE
Impulse discharge current (Iimp)	: 6,25 kA
Nominal discharge current (In)	: 20 kA
Maximum discharge current (Imax)	: 40 kA
Total discharge current for Test class I (ITotal)	: 12,5 kA
Total discharge current for Test class II (ITotal)	: 40 kA
Short-circuit current rating (Iscpv)	: 10 kA
Connection	: 1,5 to 25 mm ² for flexible conductor 1,5 to 35 mm ² for solid, rigid stranded conductor

Product data – type DCB YPV 1200 (FM)

Part No.	: 900075 / 900070
Maximum continuous operating voltage (Ucpv)	: 1200 V
Voltage protection level (Up)	: 3,8 kV

Product data – type DCB YPV 1500 (FM)

Part No.	: 900076 / 900071
Maximum continuous operating voltage (Ucpv)	: 1500 V
Voltage protection level (Up)	: 4,5 kV

TESTS**Test requirements**

EN 61643-31:2019

Test result

The test results are laid down in DEKRA test file 224930300.

Additional information

This certificate replaces certificate No. 31-109888 which we herewith declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 21163.