

# 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 50539-11:2013 and EN 50539-11:2013/A1:2014
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 961720

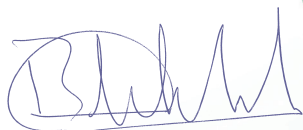
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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.

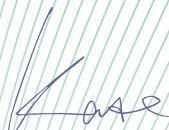
This certificate is issued on 17 September 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-109888

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



K Xu  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
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)
Maximum continuous operating voltage (Ucpv)	: See further data
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
Voltage protection level (Up)	: See further data
Short-circuit current rating (Iscpv)	: 10 kA
Connection	: 1,5 to 25 mm <sup>2</sup> for flexible conductor or 1,5 to 35 mm <sup>2</sup> for solid, rigid stranded conductor

**TESTS****Test requirements**

EN 50539-11:2013

EN 50539-11:2013/A1:2014

**Test result**

The test results are laid down in DEKRA test file 605150300.

**Additional information**

The list of components is laid down at test report 6051503.50 and 6051503.51.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

The factory location is registered with the number 21163.

Trade name(s): DEHN stands for



Further data

Type(s)/model(s)	Part No.	Mode(s)	Ucpv (Vdc)	Up (kV)
DCB YPV 1200 (FM)	900075 / 900070	DC+ $\leftrightarrow$ DC- DC+/- $\rightarrow$ PE	1200	3,8
DCB YPV 1500 (FM)	900076 / 900071	DC+ $\leftrightarrow$ DC- DC+/- $\rightarrow$ PE	1500	4,5