

CERTIFICATE

Issued to:
Applicant:
HIMEL HONG KONG LIMITED
11/F KERRY CTR 683 KING'S RD
999077 Quarry Bay, Hong Kong

Licensee:
Delixi Electric Ltd.
Delixi High Tech Industrial Park, Liushi Town,
325604 Yueqing Zhejiang, China

Product : Surge Protective Devices
Trade name(s) : HIMEL
Type(s)/model(s) : HDY3N-II/XX/YYYY-ZZZ

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(s) EN 61643-11:2012 and EN 61643-11:2012/A11:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6060803

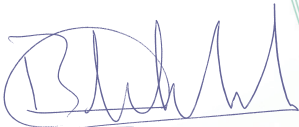
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

This certificate is issued on 12 January 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-122096

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K Xu
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Surge Protective Devices
Trade name(s)	: HIMEL
Type(s)/model(s)	: HDY3N-II/XX/1P+N-275, HDY3N-II/XX/1P+N-385, HDY3N-II/XX/1P+N-440, HDY3N-II/XX/1P-275, HDY3N-II/XX/1P-385, HDY3N-II/XX/1P-440, HDY3N-II/XX/2P-275, HDY3N-II/XX/2P-385, HDY3N-II/XX/2P-440, HDY3N-II/XX/3P+N-275, HDY3N-II/XX/3P+N-385, HDY3N-II/XX/3P+N-440, HDY3N-II/XX/3P-275, HDY3N-II/XX/3P-385, HDY3N-II/XX/3P-440, HDY3N-II/XX/4P-275, HDY3N-II/XX/4P-385 and HDY3N-II/XX/4P-440
Number of port(s)	: One
SPD type (Test class)	: Type 2 (II)
Short-circuit current rating (Iscrr)	: 500 A
Connection (L, N, PE)	: 2,5 mm ² to 35 mm ²

Product data – type HDY3N-II/XX/1P+N-275 and HDY3N-II/XX/3P+N-275

Description	: XX = 20, 40 or 65
Maximum continuous operating voltage (Uc)	: 275 V~(L-N), 255 V~(N-PE)
Nominal discharge current (In 8/20µs)	: 10/20/30 kA (L-N), 30 kA (N-PE)
Maximum discharge current (Imax 8/20µs)	: 20/40/65 kA(L-N), 65 kA (N-PE)
Voltage protection level (Up)	: 1,3/1,5/1,6 kV(L-N), 1,5 kV(N-PE)
Modes of protection	: L-N and N-PE

Product data – type HDY3N-II/XX/1P+N-385 and HDY3N-II/XX/3P+N-385

Description	: XX = 20, 40 or 65
Maximum continuous operating voltage (Uc)	: 385 V~(L-N), 255 V~(N-PE)
Nominal discharge current (In 8/20µs)	: 10/20/30 kA (L-N), 30 kA (N-PE)
Maximum discharge current (Imax 8/20µs)	: 20/40/65 kA(L-N), 65 kA (N-PE)
Voltage protection level (Up)	: 1,6/1,8/2,0 kV(L-N), 1,5 kV(N-PE)
Modes of protection	: L-N and N-PE

Product data – type HDY3N-II/XX/1P+N-440 and HDY3N-II/XX/3P+N-440

Description	: XX = 20, 40 or 65
Maximum continuous operating voltage (Uc)	: 440 V~(L-N), 255 V~(N-PE)
Nominal discharge current (In 8/20µs)	: 10/20/30 kA (L-N), 30 kA (N-PE)
Maximum discharge current (Imax 8/20µs)	: 20/40/65 kA(L-N), 65 kA (N-PE)
Voltage protection level (Up)	: 1,8/2,0/2,2 kV(L-N), 1,5 kV(N-PE)
Modes of protection	: L-N and N-PE

Product data – type HDY3N-II/XX/1P-275

Description	: XX = 20, 40 or 65
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Maximum continuous operating voltage (Uc) : 275 V~
Nominal discharge current (In 8/20µs) : 10/20/30 kA
Maximum discharge current (Imax 8/20µs) : 20/40/65 kA
Voltage protection level (Up) : 1,3/1,5/1,6 kV
Modes of protection : L-N/L-PE

Product data – type HDY3N-II/XX/1P-385

Description : XX = 20, 40 or 65
Maximum continuous operating voltage (Uc) : 385 V~
Nominal discharge current (In 8/20µs) : 10/20/30 kA
Maximum discharge current (Imax 8/20µs) : 20/40/65 kA
Voltage protection level (Up) : 1,6/1,8/2,0 kV
Modes of protection : L-N/L-PE

Product data – type HDY3N-II/XX/1P-440

Description : XX = 20, 40 or 65
Maximum continuous operating voltage (Uc) : 440 V~
Nominal discharge current (In 8/20µs) : 10/20/30 kA
Maximum discharge current (Imax 8/20µs) : 20/40/65 kA
Voltage protection level (Up) : 1,8/2,0/2,2 kV
Modes of protection : L-N/L-PE

Product data – type HDY3N-II/XX/2P-275 and HDY3N-II/XX/4P-275

Description : XX = 20, 40 or 65
Maximum continuous operating voltage (Uc) : 275 V~
Nominal discharge current (In 8/20µs) : 10/20/30 kA
Maximum discharge current (Imax 8/20µs) : 20/40/65 kA
Voltage protection level (Up) : 1,3/1,5/1,6 kV
Modes of protection : L-PE and N-PE

Product data – type HDY3N-II/XX/2P-385 and HDY3N-II/XX/4P-385

Description : XX = 20, 40 or 65
Maximum continuous operating voltage (Uc) : 385 V~
Nominal discharge current (In 8/20µs) : 10/20/30 kA
Maximum discharge current (Imax 8/20µs) : 20/40/65 kA
Voltage protection level (Up) : 1,6/1,8/2,0 kV
Modes of protection : L-PE and N-PE

Product data – type HDY3N-II/XX/2P-440 and HDY3N-II/XX/4P-440

Description	: XX = 20, 40 or 65
Maximum continuous operating voltage (Uc)	: 440 V~
Nominal discharge current (In 8/20µs)	: 10/20/30 kA
Maximum discharge current (Imax 8/20µs)	: 20/40/65 kA
Voltage protection level (Up)	: 1,8/2,0/2,2 kV
Modes of protection	: L-PE and N-PE

Product data – type HDY3N-II/XX/3P-275

Description	: XX = 20, 40 or 65
Maximum continuous operating voltage (Uc)	: 275 V~
Nominal discharge current (In 8/20µs)	: 10/20/30 kA
Maximum discharge current (Imax 8/20µs)	: 20/40/65 kA
Voltage protection level (Up)	: 1,3/1,5/1,6 kV
Modes of protection	: L-PEN

Product data – type HDY3N-II/XX/3P-385

Description	: XX = 20, 40 or 65
Maximum continuous operating voltage (Uc)	: 385 V~
Nominal discharge current (In 8/20µs)	: 10/20/30 kA
Maximum discharge current (Imax 8/20µs)	: 20/40/65 kA
Voltage protection level (Up)	: 1,6/1,8/2,0 kV
Modes of protection	: L-PEN

Product data – type HDY3N-II/XX/3P-440

Description	: XX = 20, 40 or 65
Maximum continuous operating voltage (Uc)	: 440 V~
Nominal discharge current (In 8/20µs)	: 10/20/30 kA
Maximum discharge current (Imax 8/20µs)	: 20/40/65 kA
Voltage protection level (Up)	: 1,8/2,0/2,2 kV
Modes of protection	: L-PEN

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 611469300.

Additional information

The list of components is laid down in test report 6114678.50, 6114678.51 and 6114678.52.

Conclusion

The examination proved that all requirements were met.

Factory location

Delixi Electric Ltd.
Delixi High Tech Industrial Park, Liushi Town,
325604 Yueqing Zhejiang, China

Trade name(s): HIMEL stands for 

The text "Trade name(s): HIMEL stands for" is followed by the "Himel" logo. The logo consists of the word "Himel" in a red, italicized, sans-serif font, enclosed within a red rounded rectangular border.