

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,
Yueqing City
325604 Zhejiang Province, China

Product : Circuit-breakers for overcurrent protection
Trade name(s) : HIMEL
Type(s)/model(s) : HDB9N

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 60898-1:2019
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2028558

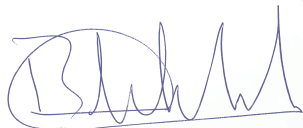
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 13 November 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-116128

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Circuit-breakers for overcurrent protection
Trade name(s)	: HIMEL
Type(s)/model(s)	: HDB9N
Protected poles	: 1, 2, 3 or 4
Rated voltage (Ue)	: 230 / 400 Vac for 1P, 230 Vac for 1P+N, 400 Vac for 2P, 3P, 3P+N, 4P
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63 A
Range of instantaneous tripping current	: B, C and D The upper value of instantaneous tripping of D-type is 14In.
Rated short-circuit capacity (Icn)	: 6 kA
Rated making and breaking capacity of individual pole (Icn1)	: 6 kA
Rated service short-circuit capacity (Ics)	: 6 kA
The grid distance "a" (grid)	: 35 mm
Energy limiting class	: class 3 for 1P, 2P, 3P, 4P and class 1 for 1P+N, 3P+N with type B and C
Reference calibration temperature	: + 30 °C
Method of mounting	: Flush-type, for mounting on top hat rail 35 mm (EN 50022)
Degree of protection against moisture	: IP20
Connection	: screw type terminals
Markings	: trade name, type designation and electrical ratings are indicated on the body

TESTS**Test requirements**

EN 60898-1:2019

Test result

The test results are laid down in DEKRA test file 331863600.

Additional information

The product also complies with IEC 60898-1:2015.

This certificate is based on KEMA KEUR certificate No. 33-115520 issued on 2020-09-25.

Conclusion

The examination proved that all requirements were met.

Factory location

DELIXI ELECTRIC (WUHU) LTD
Wuhu Machinery Industrial Park,
Wuhu City,
241100 Anhui Province, China