

CERTIFICATE

Issued to:
Applicant:
Hager Electro SAS
132 Boulevard d'Europe
67210, Obernai, France

Manufacturer/Licensee:
Hager Electro SAS
132 Boulevard d'Europe
67210, Obernai, France

Product(s) : circuit-breakers for overcurrent protection
Trade name(s) : HAGER
Type(s)/model(s) : NBN..*, NCN..*, NDN..*, NB..*, NC..*, ND..*, NKN..*

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 60898-1:2003;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900186

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.

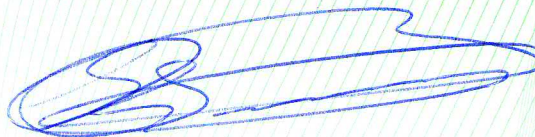
This certificate is issued on: 30 June 2011 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2135748.02

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director

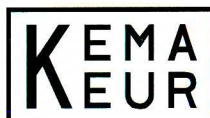


H.L. Schendstok
Certification Manager

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All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	:	circuit-breakers for overcurrent protection
trade name(s)	:	HAGER
type(s)	:	NBN..*, NCN..*, NDN..*, NB..*, NC..*, ND..*, NKN..*
rated current (In)	:	0,5 A to 63 A
rated voltage (Un)	:	240 Vac, 240/415 Vac or 415 Vac
rated impulse withstand voltage	:	4 kV
number of poles	:	1, 2, 3, 4-pole, 1 pole + N and 3-pole + N
range of instantaneous tripping overcurrent	:	B, C and D characteristic
rated short-circuit capacity (Icn)	:	10000 A
rated service short-circuit capacity (Ics)	:	7500 A
safety distance ("a" grid)	:	60 mm
ambient temperature	:	30°C
method of mounting	:	flush type
degree of protection against moisture	:	ordinary
insulating material	:	thermoplastic material
material group	:	group II
terminals	:	screw terminals

Additional information

Nomenclature breakdown of types NDN..* for example NxNyzz*

x	=	B	: B-curve
		C or K	: C-curve
		D	: D-curve
y	=		designation of no. of poles
zz	=		current designation
*	=		a,b,c...y,z:country code

Markings: trademark, type designation and ratings are shown on the body.

Product data – type NBN..* ; NB..*

240 Vac, 240/415 Vac or 415 Vac; 1, 2, 3, 4 pole, 1-pole + N, 3-pole + N, 6 A - 63 A; B Curve, Ics = 7500 A; Icn = 10000 A.

Product data – type NCN..* ; NC..*

240 Vac, 240/415 Vac or 415 Vac; 1, 2, 3, 4 pole, 1-pole + N, 3-pole + N, 0,5 A - 63 A; C Curve, Ics = 7500 A; Icn = 10000 A.

Product data – type NDN..* ; ND...*

240 Vac, 240/415 Vac or 415 Vac; 1, 2, 3, 4 pole, 1-pole + N, 3-pole + N, 0,5 A - 63 A; D Curve, Ics = 7500 A; Icn = 10000 A.

Product data – type NKN..*

240 Vac, 240/415 Vac or 415 Vac; 1, 2, 3, 4 pole, 1-pole + N, 3-pole + N, 0,5 A - 63 A; C Curve, Ics = 7500 A; Icn = 10000 A.

TESTS**Test requirements**

EN 60898-1:2003 + A1:2004 + A11:2005 + A12:2008

Test result

The test results are laid down in DEKRA test file 2135748.02.

Conclusion

The examination proved that all test requirements were met.

Tested by : F.S. Strikwerda

A blue ink signature of F.S. Strikwerda, consisting of a stylized 'F' and 'S' followed by a horizontal line.

Checked by : M.T.H. van Gemen

A blue ink signature of M.T.H. van Gemen, featuring a stylized 'M' and 'T' followed by a long horizontal line.**Factory locations**

Hager Electro SAS

132 Boulevard d'Europe, 67210, Obernai Cedex

France