

CERTIFICATE

KEMA No.: 2108066.03

Issued to:
Applicant:

Hager Electro SAS
132 Boulevard d'Europe
67210, OBERNAI CEDEX, France

Manufacturer/Licensee:

Hager Electro SAS
132 Boulevard d'Europe
67210, OBERNAI CEDEX, France

Product(s) : circuit-breaker for overcurrent protection
Trade name(s) : HAGER
Type(s)/model(s) : MB...*, MB...P, MBN...*, MC...*, MC...P, MCN...*, MM...*, MN...*, MT...*, MTN...*, MU...*,
MUN...*, NT...*

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

KEMA 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

KEMA 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: 25 June 2008 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.



drs. G.J. Zoetbrood
Managing Director

H.L. Schendstok
Certification Manager

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	:	circuit-breaker for overcurrent protection
trade name(s)	:	HAGER
type(s)	:	MB...*, MB...P, MBN...*, MC...*, MC...P, MCN...*, MM...*, MN...*, MT...*, MTN...*, MU...*, MUN...*, NT...*
rated current (In)	:	C-type: 0.5 A - 63 A B-type: 6 A - 63 A
rated voltage (Un)	:	240 Vac; 240/415 Vac; 415 Vac
rated impulse withstand voltage	:	4 kV
number of poles	:	1 p, 1 p + N, 2 p, 3 p, 3 p + N and 4 p
range of instantaneous tripping overcurrent	:	B or C characteristic
rated short-circuit capacity (Icn)	:	6000 A
rated service short-circuit capacity (Ics)	:	6000 A
safety distance ("a" grid)	:	35 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 MC...*, MB...*, for example MCxyy*

x = designation of number of poles:

1 = 1 p; 5 = 1 p + N (on right); 7 = 1 p + N (on left); 2 = 2 p; 3 = 3 p;
6 = 3 p + N (on right); 8 = 3 p + N (on left); 4 = 4 p

yy = current designation:

00 = 0.5 A; 01 = 1 A; 02 = 2 A up to 63 = 63 A

* = (a,b,c...y,z) country versions

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

TESTS

Test requirements

EN 60898-1:2003 prA1:2003 + C1:2004 + A1:2004 + A11:2005

Test result

The test results are laid down in KEMA test file 2108066.03.

Conclusion

The examination proved that all test requirements were met.

Tested by : F.S. Strikwerda 

Checked by : M.T.H. van Gemen 

Factory locations

Huizhou Hager Electric Ltd.,
No. 17, Huitai Rd, 516006 HUIZHOU GUANGDONG, China

Hager Electro SAS,
132 Boulevard d'Europe, 67210 OBERNAI CEDEX, France