

CERTIFICATE

KEMA No.: 2123704.06

Issued to:

Applicant:

Hager Electro SAS
132 Boulevard d'Europe
67210, Obernai Cedex, France



Product(s) : moulded case circuit breaker

Trade name(s) : HAGER

Type(s)/model(s) : h3 h630...

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 60947-2:2006; IEC 60947-2:2006;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2123704

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: 15 January 2010 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.

drs. G.J. Zoetbrood
Managing Director

H.R.M. Barends
Certification Manager

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



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SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	: moulded case circuit breaker
trade name(s)	: HAGER
type(s)	: h3 h630 / HED...*, h3 h630 / HND...*
Model	: h3 h630...
Number of poles	: 3 pole and 4 pole
Rated operational voltage (Ue)	: 240 Vac and 415 Vac
Rated insulation voltage (Ui)	: 800 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated operational current (Ie)	: 250 A to 630 A (adjustable)
Conventional thermal current (Ith)	: 250 A to 630 A
Rated short-circuit making capacity (Icm)	: See product data per type
Rated ultimate short-circuit breaking capac (Icu)	: See product data per type
Rated service short-circuit breaking cap (Ics)	: See product data per type
Rated short time withstand current (Icw)	: 5 kA, 0.3 s
Rated frequency	: 50 Hz / 60 Hz
Suitability for isolation	: suitable
Utilization category	: A
Safety distance (screen-circuit breaker)	: 80 mm all sides
Inverse time delay release	: Yes
Instantaneous release setting	: see additional information
Thermal Release Setting	: see additional information
Definite time delay release	: see additional information
Time delay settings	: see additional information
Ground fault release	: N/A
Electrical control circuits	: N/A
Degree of protection	: N/A
Method of installation	: fixed

Additional information

* = country version designation A,B,C ... Y,Z

Characteristics No.		1	2	3	4	5	6
LTD	t_R (s)	11	21		5	10	16
		at 200% x I_R				at 600% x I_R	
STD	I_{sd} (A)	2.5 x I_R		5 x I_R	8 x I_R		
	t_{sd} (s)	0.1				0.2	
INST	I_i (A)	14 x I_R (MAX : 10 x I_{CT})					

Product data - type h3 h630 / HED...*

Rated ultimate short-circuit breaking : 240 V 100 kA;
capacity(Icu) 415 V 70 kA;
Rated service short-circuit breaking : 240 V 85 kA;
cap (Ics) 415 V 50 kA;
Rated short-circuit making capacity : 240 V 220 kA;
(Icm) 415 V 154 kA;

Product data - type h3 h630 / HND...*

Rated ultimate short-circuit breaking : 240 V 85 kA;
capacity(Icu) 415 V 50 kA;
Rated service short-circuit breaking : 240 V 85 kA;
cap (Ics) 415 V 50 kA;
Rated short-circuit making capacity : 240 V 187 kA;
(Icm) 415 V 105 kA;

TESTS**Test requirements**

EN 60947-2:2006
IEC 60947-2:2006

Test result

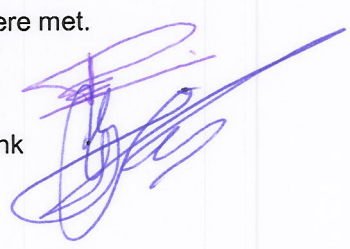
The test results are laid down in KEMA test file 2123704.06.

Conclusion

The examination proved that all test requirements were met.

Tested by : F.S. Strikwerda

Checked by : H.G.M. Kormelink

A handwritten signature in blue ink, appearing to be "H.G.M. Kormelink", is written over the signature line.**Factory locations**

As laid down in KEMA test file 2123704.06.