



CB TEST CERTIFICATE

Ref. Certificate No.

NL-19675

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Issued by:	KEMA Quality B.V.		
Product:	Moulded-case circuit breaker		
Applicant:	Hager Electro Sas	132 Boulevard d'Europe 67210 Obernai	France
Manufacturer:	Hager Electro Sas	132 Boulevard d'Europe 67210 Obernai	France
Factory:	Huizhou Hager Electric Ltd.	Huizhou Hager Electric Ltd N° 17 Huitai Road Huitai Industrial District 516006 Huizhou Guangdong	China
Rating and principal characteristics:	1P ; 2P ; 3P ; 3P+N ; 4P / Ue = 240 Vac (1P) ; 240/415 Vac (2P;3P;3P+N;4P) In = from 15 to 160 A ; Uimp = 8 kV ; Ui = 690 V ; 50/60 Hz Icu/Ics (type) : HAA ... * 16 kA/50% ; HDA...* 18 kA/100% ; HGA...* 25 kA/50% ; HHA...* 25 kA/75% ; HMA...* 30 kA/50% ; HNA....* 40 kA/50% ; Utilization Category A		
Trade mark (if any):	HAGER		
Type of Manufacturer's Testing Laboratories used:	WMT		
Model/Type reference:	HAA ... * ; HDA...* ; HGA...* ; HHA...* ; HMA...* ; HNA...* ; * = market version designation (A,B,C... Y,Z). See also annex		
Additional information:			
Sample of product tested to be in conformity with IEC:	60947-1(ed.5) 60947-2(ed.4);am1		
Test Report Ref. No:	2139839.50 up to 2139839.97		

This CB Test Certificate is issued by the National Certification Body:

KEMA Quality B.V.
Utrechtseweg 310
P.O. Box 5185
6802 ED Arnhem
The Netherlands

KEMA Quality

a DEKRA company

Signed by: H.L. Schendstok

Date of issue: 2010-12-16

TYPE REFERENCES, Rated current In ... A	Ics = 50% / Icu = 16 kA			
	1 pole	2 poles	3 poles	4 poles
15	HAA010*	HAA011*	HAA012*	HAA013*
16	HAA014*	HAA015*	HAA016*	HAA017*
20	HAA018*	HAA019*	HAA020*	HAA021*
25	HAA023*	HAA024*	HAA025*	HAA026*
30	HAA090*	HAA091*	HAA092*	HAA093*
32	HAA030*	HAA031*	HAA032*	HAA033*
40	HAA038*	HAA039*	HAA040*	HAA041*
50	HAA048*	HAA049*	HAA050*	HAA051*
60	HAA094*	HAA095*	HAA096*	HAA097*
63	HAA061*	HAA062*	HAA063*	HAA064*
75	HAA073*	HAA074*	HAA075*	HAA076*
80	HAA078*	HAA079*	HAA080*	HAA081*
100	HAA098*	HAA099*	HAA100*	HAA101*
125	HAA123*	HAA124*	HAA125*	HAA126*
160		HAA159*	HAA160*	HAA161*

TYPE REFERENCES	Ics = 100% / Icu = 18 kA			
	1 pole	2 poles	3 poles	4 poles
Rated current In ... A				
15	HDA010*	HDA011*	HDA012*	HDA013*
16	HDA014*	HDA015*	HDA016*	HDA017*
20	HDA018*	HDA019*	HDA020*	HDA021*
25	HDA023*	HDA024*	HDA025*	HDA026*
30	HDA090*	HDA091*	HDA092*	HDA093*
32	HDA030*	HDA031*	HDA032*	HDA033*
40	HDA038*	HDA039*	HDA040*	HDA041*
50	HDA048*	HDA049*	HDA050*	HDA051*
60	HDA094*	HDA095*	HDA096*	HDA097*
63	HDA061*	HDA062*	HDA063*	HDA064*
75	HDA073*	HDA074*	HDA075*	HDA076*
80	HDA078*	HDA079*	HDA080*	HDA081*
100	HDA098*	HDA099*	HDA100*	HDA101*
125	HDA123*	HDA124*	HDA125*	HDA126*
160		HDA159*	HDA160*	HDA161*

TYPE	REFERERENCES	Ics = 50 % / Icu = 25 kA			
		1 pole	2 poles	3 poles	4 poles
Rated current In ... A					
15	HGA010*	HGA011*	HGA012*	HGA013*	
16	HGA014*	HGA015*	HGA016*	HGA017*	
20	HGA018*	HGA019*	HGA020*	HGA021*	
25	HGA023*	HGA024*	HGA025*	HGA026*	
30	HGA090*	HGA091*	HGA092*	HGA093*	
32	HGA030*	HGA031*	HGA032*	HGA033*	
40	HGA038*	HGA039*	HGA040*	HGA041*	
50	HGA048*	HGA049*	HGA050*	HGA051*	
60	HGA094*	HGA095*	HGA096*	HGA097*	
63	HGA061*	HGA062*	HGA063*	HGA064*	
75	HGA073*	HGA074*	HGA075*	HGA076*	
80	HGA078*	HGA079*	HGA080*	HGA081*	
100	HGA098*	HGA099*	HGA100*	HGA101*	
125	HGA123*	HGA124*	HGA125*	HGA126*	
160		HGA159*	HGA160*	HGA161*	

TYPE REFERENCES	Ics = 75 % / Icu = 25 kA			
	Rated current In ... A	1 pole	2 poles	3 poles
15	HHA010*	HHA011*	HHA012*	HHA013*
16	HHA014*	HHA015*	HHA016*	HHA017*
20	HHA018*	HHA019*	HHA020*	HHA021*
25	HHA023*	HHA024*	HHA025*	HHA026*
30	HHA090*	HHA091*	HHA092*	HHA093*
32	HHA030*	HHA031*	HHA032*	HHA033*
40	HHA038*	HHA039*	HHA040*	HHA041*
50	HHA048*	HHA049*	HHA050*	HHA051*
60	HHA094*	HHA095*	HHA096*	HHA097*
63	HHA061*	HHA062*	HHA063*	HHA064*
75	HHA073*	HHA074*	HHA075*	HHA076*
80	HHA078*	HHA079*	HHA080*	HHA081*
100	HHA098*	HHA099*	HHA100*	HHA101*
125	HHA123*	HHA124*	HHA125*	HHA126*
160		HHA159*	HHA160*	HHA161*

TYPE REFERERENCES	Ics = 50 % / Icu = 30 kA			
	Rated current In ... A	3 poles + N	2 poles	3 poles
15	HMA701*	HMA011*	HMA012*	HMA013*
16	HMA702*	HMA015*	HMA016*	HMA017*
20	HMA703*	HMA019*	HMA020*	HMA021*
25	HMA704*	HMA024*	HMA025*	HMA026*
30	HMA705*	HMA091*	HMA092*	HMA093*
32	HMA706*	HMA031*	HMA032*	HMA033*
40	HMA707*	HMA039*	HMA040*	HMA041*
50	HMA708*	HMA049*	HMA050*	HMA051*
60	HMA709*	HMA095*	HMA096*	HMA097*
63	HMA710*	HMA062*	HMA063*	HMA064*
75	HMA711*	HMA074*	HMA075*	HMA076*
80	HMA712*	HMA079*	HMA080*	HMA081*
100	HMA713*	HMA099*	HMA100*	HMA101*
125	HMA714*	HMA124*	HMA125*	HMA126*
160	HMA715*	HMA159*	HMA160*	HMA161*

TYPE REFERENCES	Ics = 50 % / Icu = 40 kA			
	Rated current In ... A	3 poles + N	2 poles	3 poles
15	HNA701*	HNA011*	HNA012*	HNA013*
16	HNA702*	HNA015*	HNA016*	HNA017*
20	HNA703*	HNA019*	HNA020*	HNA021*
25	HNA704*	HNA024*	HNA025*	HNA026*
30	HNA705*	HNA091*	HNA092*	HNA093*
32	HNA706*	HNA031*	HNA032*	HNA033*
40	HNA707*	HNA039*	HNA040*	HNA041*
50	HNA708*	HNA049*	HNA050*	HNA051*
60	HNA709*	HNA095*	HNA096*	HNA097*
63	HNA710*	HNA062*	HNA063*	HNA064*
75	HNA711*	HNA074*	HNA075*	HNA076*
80	HNA712*	HNA079*	HNA080*	HNA081*
100	HNA713*	HNA099*	HNA100*	HNA101*
125	HNA714*	HNA124*	HNA125*	HNA126*
160	HNA715*	HNA159*	HNA160*	HNA161*