

TEST CERTIFICATE

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

For the product: Moulded case circuit-breaker

Trade name: HAGER

Type/Model: H.X250...P.TM
HAB...*; HDB...*; HHA...*; HNB...*
* = country version (A,B,C,.....Y,Z)

Ratings: In = 100 A to 250 A; Ue = 240/415 Vac
3-pole,3-pole+N and 4-pole
Ui: 690 V, Uimp: 8 kV
see annex for further ratings

Requirements: IEC 60947-2:2006, A1:2009, A2: 2013

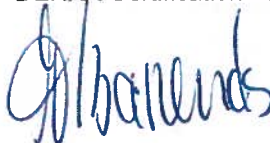
This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in the confidential test reports no 2162459.50 up to 2162459.67 dated 04 December 2014.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 23 June 2015

Number: 2162459.100

DEKRA Certification B.V.



H.R.M. Barends
Certification Manager

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Product data

Utilization category	:	A
Interruption medium	:	Air
Method of controlling the operation mechanism	:	Independent manual
Suitability for isolation	:	Suitable
Provision for maintenance	:	Non-maintainable
Method of installation	:	Fixed
Degree of protection	:	N/A
Type of the release	:	Thermal-magnetic release
Integral fuses	:	N/A
Electromagnetic compatibility (EMC)	:	A
Circuit-breaker for use on phase-earthed systems	:	N/A
Circuit-breaker for use in IT systems	:	N/A
Rated operational voltage(U_e)	:	240/415 Vac
Rated insulation voltage (U_i)	:	690 V
Rated impulse withstand voltage (U_{imp})	:	8 kV
Rated current (I_n)	:	See table 1 to 6
Rated operational current (I_e)	:	Equal to I_n
Conventional thermal current (I_{th})	:	Equal to I_n
Conventional enclosed thermal current (I_{the})	:	N/A
Current rating for four-pole circuit-breakers	:	Equal to I_n
Number of poles	:	3-pole,3-pole+N and 4-pole
Rated frequency	:	50 Hz / 60 Hz
Uninterrupted duty (I_u)	:	Equal to I_n
Rated ultimate short-circuit breaking capacity (I_{cu})	:	See table 1 to 4
Rated service short-circuit breaking capacity (I_{cs})	:	See table 1 to 4
Rated short time withstand current (I_{cw})	:	N/A
Control circuits	:	N/A
Auxiliary circuits	:	N/A
Shunt release	:	N/A
Overcurrent release	:	Yes, instantaneous and inverse time delay
Undervoltage release	:	N/A
Other releases	:	N/A
Inverse time delay release setting	:	Fixed, non-adjustable
Instantaneous release setting	:	Fixed, non-adjustable
Definite time delay release setting	:	N/A
Safety distance (screen to circuit breaker)	:	See table 5

Table 1

TYPE REFERERENCES	Ics = 8 kA / Icu = 16 kA	
Rated current In ... A	3 poles	4 poles
100	H2X250A-3P100TMF H3X250A-3P100TMA HAB100*	H2X250A-4P100TMF H3X250A-4P100TMA HAB101*
125	H2X250A-3P125TMF H3X250A-3P125TMA HAB125*	H2X250A-4P125TMF H3X250A-4P125TMA HAB126*
150	H2X250A-3P150TMF H3X250A-3P150TMA HAB150*	H2X250A-4P150TMF H3X250A-4P150TMA HAB151*
160	H2X250A-3P160TMF H3X250A-3P160TMA HAB160*	H2X250A-4P160TMF H3X250A-4P160TMA HAB161*
175	H2X250A-3P175TMF H3X250A-3P175TMA HAB175*	H2X250A-4P175TMF H3X250A-4P175TMA HAB176*
200	H2X250A-3P200TMF H3X250A-3P200TMA HAB200*	H2X250A-4P200TMF H3X250A-4P200TMA HAB201*
225	H2X250A-3P225TMF H3X250A-3P225TMA HAB225*	H2X250A-4P225TMF H3X250A-4P225TMA HAB226*
250	H2X250A-3P250TMF H3X250A-3P250TMA HAB250*	H2X250A-4P250TMF H3X250A-4P250TMA HAB251*

Table 2

TYPE REFERENCES	I _{cs} = 18 kA / I _{cu} = 18 kA	
Rated current I _n ... A	3 poles	4 poles
100	H2X250D-3P100TMF H3X250D-3P100TMA HDB100*	H2X250D-4P100TMF H3X250D-4P100TMA HDB101*
125	H2X250D-3P125TMF H3X250D-3P125TMA HDB125*	H2X250D-4P125TMF H3X250D-4P125TMA HDB126*
150	H2X250D-3P150TMF H3X250D-3P150TMA HDB150*	H2X250D-4P150TMF H3X250D-4P150TMA HDB151*
160	H2X250D-3P160TMF H3X250D-3P160TMA HDB160*	H2X250D-4P160TMF H3X250D-4P160TMA HDB161*
175	H2X250D-3P175TMF H3X250D-3P175TMA HDB175*	H2X250D-4P175TMF H3X250D-4P175TMA HDB176*
200	H2X250D-3P200TMF H3X250D-3P200TMA HDB200*	H2X250D-4P200TMF H3X250D-4P200TMA HDB201*
225	H2X250D-3P225TMF H3X250D-3P225TMA HDB225*	H2X250D-4P225TMF H3X250D-4P225TMA HDB226*
250	H2X250D-3P250TMF H3X250D-3P250TMA HDB250*	H2X250D-4P250TMF H3X250D-4P250TMA HDB251*

Table 3

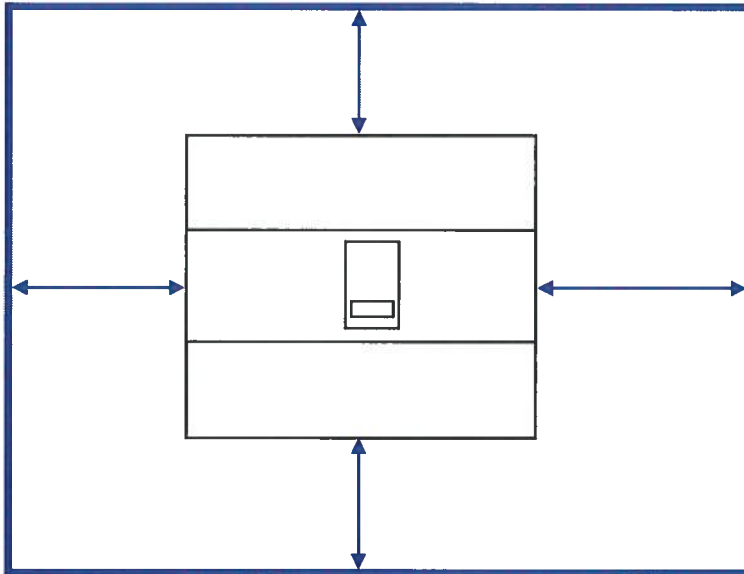
TYPE REFERENCES	Ics = 18.7 kA / Icu = 25 kA	
Rated current In ... A	3 poles	4 poles
100	H2X250H-3P100TMF H3X250H-3P100TMA HHB100*	H2X250H-4P100TMF H3X250H-4P100TMA HHB101*
125	H2X250H-3P125TMF H3X250H-3P125TMA HHB125*	H2X250H-4P125TMF H3X250H-4P125TMA HHB126*
150	H2X250H-3P150TMF H3X250H-3P150TMA HHB150*	H2X250H-4P150TMF H3X250H-4P150TMA HHB151*
160	H2X250H-3P160TMF H3X250H-3P160TMA HHB160*	H2X250H-4P160TMF H3X250H-4P160TMA HHB161*
175	H2X250H-3P175TMF H3X250H-3P175TMA HHB175*	H2X250H-4P175TMF H3X250H-4P175TMA HHB176*
200	H2X250H-3P200TMF H3X250H-3P200TMA HHB200*	H2X250H-4P200TMF H3X250H-4P200TMA HHB201*
225	H2X250H-3P225TMF H3X250H-3P225TMA HHB225*	H2X250H-4P225TMF H3X250H-4P225TMA HHB226*
250	H2X250H-3P250TMF H3X250H-3P250TMA HHB250*	H2X250H-4P250TMF H3X250H-4P250TMA HHB251*

Table 4

TYPE REFERENCES	Ics = 20 kA / Icu = 40 kA		
Rated current In ... A	3 poles	4 poles	3 poles + N
100	H2X250N-3P100TMF H3X250N-3P100TMA HNB100*	H2X250N-4P100TMF H3X250N-4P100TMA HNB101*	H2X250N-7P100TMF H3X250N-7P100TMA HNB103*
125	H2X250N-3P125TMF H3X250N-3P125TMA HNB125*	H2X250N-4P125TMF H3X250N-4P125TMA HNB126*	H2X250N-7P125TMF H3X250N-7P125TMA HNB128*
150	H2X250N-3P150TMF H3X250N-3P150TMA HNB150*	H2X250N-4P150TMF H3X250N-4P150TMA HNB151*	H2X250N-7P150TMF H3X250N-7P150TMA HNB153*
160	H2X250N-3P160TMF H3X250N-3P160TMA HNB160*	H2X250N-4P160TMF H3X250N-4P160TMA HNB161*	H2X250N-7P160TMF H3X250N-7P160TMA HNB163*
175	H2X250N-3P175TMF H3X250N-3P175TMA HNB175*	H2X250N-4P175TMF H3X250N-4P175TMA HNB176*	H2X250N-7P175TMF H3X250N-7P175TMA HNB178*
200	H2X250N-3P200TMF H3X250N-3P200TMA HNB200*	H2X250N-4P200TMF H3X250N-4P200TMA HNB201*	H2X250N-7P200TMF H3X250N-7P200TMA HNB203*
225	H2X250N-3P225TMF H3X250N-3P225TMA HNB225*	H2X250N-4P225TMF H3X250N-4P225TMA HNB226*	H2X250N-7P225TMF H3X250N-7P225TMA HNB228*
250	H2X250N-3P250TMF H3X250N-3P250TMA HNB250*	H2X250N-4P250TMF H3X250N-4P250TMA HNB251*	H2X250N-7P250TMF H3X250N-7P250TMA HNB253*

Table 5

Distances of the metallic screen's: (all sides)



Distances (mm)	3P	3P+N 4P
Left	45	45
Right	85	50
Top	35	35
Bottom	35	35