

CERTIFICATE

KEMA No.: 2114835.02



Issued to:
Applicant:
ABB B.V.
Frankeneng 15
6716 AA, EDE, The Netherlands

Manufacturer/Licensee:
ABB B.V.
Frankeneng 15
6716 AA, EDE, The Netherlands

Product(s) : switch boxes
Trade name(s) : ABB
Type(s)/model(s) : HAFONORM

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 60439-1:1999;EN 60439-3:1991;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900017

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: June 4, 2008 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.

drs. G.J. Zoetbrood
Managing Director

F.S. Strikwerda
Certification Manager

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	:	switch boxes
trade name(s)	:	ABB
type(s)	:	HAFONORM
rated current	:	25 A, 63 A and 160 A
rated voltage	:	230/400 Vac
rated frequency	:	50 Hz
degree of protection	:	IP2XC
description	:	boards of black thermoplastic material

Additional information

Survey type (according to EN 60439-1):

HSG 4160

Survey types (according to EN 60439-3):

HD 3000-20 HD 3000-40 HS 254
HD 3000-20H HD 3000-40H HS 402
HD 3000-20G HD 3000-40G HS 404
HD 3020-22 HD 3030-44H HS 404-K
HD 0050-04 HD 3050-44H HS 634
HD 0050-04H HD 60050-04HG HS 634-S
HD 63000-04HG HSG 463
HSG 4125

TESTS**Test requirements**

EN 60439-1:1999 A1:2004

EN 60439-3:1991 A1:1994 + A2:2001

Test result

The test results are laid down in KEMA test file 2114835.02.

Remarks

This certificate replaces certificate 2108115.02 dated March 19, 2008.

Conclusion

The examination proved that all test requirements were met.

Tested by : H.L. Schendstok 

Checked by : H.G.M. Kormelink

Factory locations

ABB B.V.,
Frankeneng 15, 6716 AA, EDE, The Netherlands

List of components

Component	trade name	type/model	approval mark ¹⁾
residual current circuit-breaker (RCCB)	ABB HAF	0903-716 2-p, 40 A, 30 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-717 2-p, 40 A, 300 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-718 4-p, 40 A, 30 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-719 4-p, 40 A, 300 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-720 4-p, 63 A, 30 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-721 4-p, 63 A, 300 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-741 2-p, 40 A, 30 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-742 2-p, 40 A, 300 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	FH204 (0903-753) 4-p, 40 A, 30 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	FH204 (0903-754) 4-p, 40 A, 300 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	FH204 (0903-755) 4-p, 63 A, 30 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB	F204 4-p, 63 A, 300 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-722 2-p, 40 A, 30 mA, type A	KEMA-KEUR
residual current circuit-breaker (RCCB)	ABB HAF	0903-724 4 -p, 40 A, 30 mA, type A	KEMA-KEUR
switch	ABB HAF	0903-040	KEMA-KEUR
switch	ABB HAF	0903-041	KEMA-KEUR
switch	ABB HAF	0921-025	KEMA-KEUR
switch	Strömberg	OETL 125 D4	KEMA-KEUR
switch	Socomec	SIRCO 160	KEMA-KEUR
switch disconnector	ABB HAF	0903-042	KEMA-KEUR
wiring	-	H07V2-K (90 °C) 4 mm ²	KEMA-KEUR of HAR

¹⁾ * indicates a component tested as part of the appliance