

No. N8 07 10 64816 001

Holder of Certificate: HJ INDUSTRIAL ELECTRIC CO., LTD.

973, Gosaek-Dong, Gwonseon-Gu Swon-City, Kyunggi-Do 441-813 REPUBLIC OF KOREA

Product:

Low voltage switchgear combination (Circuit Breaker)

This EC-Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2006/95/EC relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.:

CPSZ0932807



2007-10-18 Date,



After preparation of the necessary technical documentation as well as the conformity declaration the required CE marking can be affixed on the product. Other relevant directives have to be observed.



## EC-Attestation of Conformity No. N8 07 10 64816 001

Model(s): HSE-52b, SSE-52b

Parameters: Rated operational

voltage(Ue): 230 V a.c.

Rated frequency: 50/60 Hz

Utilization category:

Rated insulation

voltage(Ui): 690 V

Rated impulse

withstand voltage(Uimp): 4 kV

Number of poles:

Rated current(In): 15/20/30/40/50 A

Rated service short-circuit

Breaking capacity(lcs): 2.5 kA

Rated ultimate short-circuit

Breaking capacity(Icu): 5 kA

Tested EN 60947-2:2003 according to: EN 60947-1:2004

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### **EC-Attestation of Conformity**

No. N8 07 10 64816 002

Holder of Certificate: HJ INDUSTRIAL ELECTRIC CO., LTD.

973, Gosaek-Dong, Gwonseon-Gu Swon-City, Kyunggi-Do 441-813 REPUBLIC OF KOREA

Product: Low voltage switchgear combination

(Circuit Breaker)

This EC-Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2006/95/EC relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.:

CPSA0132827



Date, 2007-10-18



After preparation of the necessary technical documentation as well as the conformity declaration the required CE marking can be affixed on the product. Other relevant directives have to be observed.



#### **EC-Attestation of Conformity** No. N8 07 10 64816 002

Model(s):

HPB-103, SPB-103

Parameters:

Rated operational

voltage(Ue):

460V a.c.

Rated frequency:

50/60 Hz

Utilization category:

Rated insulation

voltage(Ui):

690 V

Rated impulse

withstand voltage(Uimp):

4 kV

Number of poles:

Rated current(In):

15/20/30/40/50/60/75/100 A

Rated service short-circuit

Breaking capacity(Ics):

5 kA

Rated ultimate short-circuit

Breaking capacity(Icu):

10 kA

Tested according to:

EN 60947-2:2003 EN 60947-1:2004



No. N8 07 10 64816 003

Holder of Certificate: HJ INDUSTRIAL ELECTRIC CO., LTD.

973, Gosaek-Dong, Gwonseon-Gu Swon-City, Kyunggi-Do 441-813 REPUBLIC OF KOREA

Product: Low voltage switchgear combination

(Circuit Breaker)

This EC-Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2006/95/EC relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.:

CPSA0132847



Date, 2007-10-18



After preparation of the necessary technical documentation as well as the conformity declaration the required CE marking can be affixed on the product. Other relevant directives have to be observed.



# EC-Attestation of Conformity No. N8 07 10 64816 003

Model(s):

HPB-102, SPB-102

Parameters:

Rated operational

voltage(Ue):

230 V a.c.

Rated frequency:

50/60 Hz

Utilization category:

Α

Rated insulation

voltage(Ui):

690 V

Rated impulse

withstand voltage(Uimp):

4 kV

Number of poles:

2

Rated current(In):

15/20/30/40/50/60/75/100 A

Rated service short-circuit

Breaking capacity(Ics):

10 kA

Rated ultimate short-circuit

Breaking capacity(Icu):

20 kA

Tested according to:

EN 60947-2:2003 EN 60947-1:2004



No. N8 07 10 64816 004

Holder of Certificate: HJ INDUSTRIAL ELECTRIC CO., LTD.

973, Gosaek-Dong, Gwonseon-Gu Swon-City, Kyunggi-Do 441-813 REPUBLIC OF KOREA

Product: Low voltage switchgear combination

(Circuit Breaker)

This EC-Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2006/95/EC relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.:

CPSA0132867



Date, 2007-10-18



After preparation of the necessary technical documentation as well as the conformity declaration the required CE marking can be affixed on the product. Other relevant directives have to be observed.



#### **EC-Attestation of Conformity** No. N8 07 10 64816 004

Model(s):

HSB-232, SMB-231

Parameters:

Rated operational

voltage(Ue):

230 V a.c.

Rated frequency:

50/60 Hz

Utilization category:

Rated insulation

voltage(Ui):

690 V

Rated impulse

withstand voltage(Uimp):

4 kV

Number of poles:

Rated current(In):

Rated service short-circuit

Breaking capacity(lcs):

1.0 kA

10/15/20/30 A

Rated ultimate short-circuit

Breaking capacity(Icu):

1.5 kA

Tested according to:

EN 60947-2:2003 EN 60947-1:2004



No. N8 07 10 64816 005

Holder of Certificate: HJ INDUSTRIAL ELECTRIC CO., LTD.

973, Gosaek-Dong, Gwonseon-Gu Swon-City, Kyunggi-Do 441-813

REPUBLIC OF KOREA

Product: Residual Current Device with incorporated

overcurrent prot.

(Residual current operated circuit-breakers)

This EC-Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2006/95/EC relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

Test report no.:

CPSA0132887



Date, 2007-10-18



After preparation of the necessary technical documentation as well as the conformity declaration the required CE marking can be affixed on the product. Other relevant directives have to be observed.



# EC-Attestation of Conformity No. N8 07 10 64816 005

Model(s):

HEB-233C, SEB-233C, SEB-243C

Parameters:

Rated voltage(Un): 230 V a.c.

Rated current(In): 10/15/20/30/40 A

Rated frequency(Hz):

Rated short-circuit

capacity(Icn): 1500 A

Rated residual

operating current(ldn):

30 mA

50 Hz

Ranges of overcurrent

instantaneous tripping: Type C

\*Remark:The requirements of electromagnetic compatibility(EMC) is not included in the scope

of this attestation.

Tested according to:

EN 61009-1/A1:2002