



CB TEST CERTIFICATE

Ref. Certificate No.

NL-19498

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: Hyundai Heavy Industries co. Ltd. 1, Jeonha-Dong, Dong-Ku, 682-792 Ulsan Korea, Republic of

Manufacturer: Hyundai Heavy Industries co. Ltd. 1, Jeonha-Dong, Dong-Ku, 682-792 Ulsan Korea, Republic of

Factory: Hyundai Heavy Industries co. Ltd. 1, Jeonha-Dong, Dong-Ku, 682-792 Ulsan Korea, Republic of

Rating and principal characteristics: 3 pole MCCB (thermal magnetic)
Uimp= 6 kV
Ui = 690 Vac
Ue = 440 Vac
In = 125 A, 150 A, 175 A, 200 A, 225 A
Icu = 35 kA at 440 V (UCB 250 N), 25 kA at 440 V (UCB 250 S), 18 kA at 440 V (UCB 250 R)
Ics = 50 % Icu
Rated frequency = 50/60 Hz

Trade mark (if any): Hyundai

Model/Type reference: UCB 250 N, UCB 250 S, UCB 250 R

Additional information:

Sample of product tested to be in conformity with IEC: 60947-2(ed.4)

Test Report Ref. No: 2135743.52

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



Signed by: H.R.M. Barends

Date of issue: 2010-11-24



Test Report issued under the responsibility of:

KEMA Quality
a DEKRA company

TEST REPORT
IEC 60947-2
Low-voltage switchgear and controlgear - Part 2: Circuit-breakers

Report Reference No......: 2135743.52
Date of issue.....: 2010-11-22
Total number of pages 56

CB Testing Laboratory.....: KEMA Quality B.V.
Address: Utrechtseweg 310, 6812 AR Arnhem, The Netherlands

Applicant's name.....: Hyundai Heavy Industries Co. Ltd.
Address: 1, Jeonha-Dong, Dong-Ku, Ulsan, Korea, 682-792

Test specification:

Standard: IEC 60947-2:2006 (4th Edition)
Test procedure: CB
Non-standard test method.....: N/A

Test Report Form No......: IEC60947_2E
Test Report Form(s) Originator: KEMA
Master TRF: Dated 2008-12

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

Test item description

Trade Mark: Hyundai
Manufacturer: Hyundai Heavy Industries Co. Ltd.
Model/Type reference.....: UCB 250 N, UCB 250 S, UCB 250 R
Ratings: Ie = 125 A, 150 A, 175 A, 200 A, 225 A
(UCB 250 N, UCB 250 S, UCB 250 R)



CB TEST CERTIFICATE

Ref. Certificate No.

NL-18860

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:	Hyundai Heavy Industries Co. Ltd.	1, Jeonha-Dong, Dong-Ku, Ulsan, 682-792	Korea, Republic of
Manufacturer:	Hyundai Heavy Industries Co. Ltd.	1, Jeonha-Dong, Dong-Ku, Ulsan, 682-792	Korea, Republic of
Factory:	Hyundai Heavy Industries Co. Ltd.	1, Jeonha-Dong, Dong-Ku, Ulsan, 682-792	Korea, Republic of

Rating and principal characteristics:

3 pole MCCB (thermal magnetic)
 Uimp= 6 kV
 Ui = 690 Vac
 Ue = 415 Vac
 In = 125 A, 150 A, 160 A, 175 A, 200 A, 225 A, 250 A
 Icu = 50 kA at 415 V
 Ics = 50 % Icu
 Rated frequency = 50/60 Hz

Trade mark (if any): Hyundai

Model/Type reference: UCB 250 L, UCB 250 H, UCB 250 V, UCB 250 W, UCB 160 L, UCB 160 H, UCB 160 V, UCB 160 W.

Additional information: -

Sample of product tested to be in conformity with IEC: 60947-2(ed.4);am1

Test Report Ref. No: 2135743.50

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.R.M. Barends

Date of issue: 2010-08-23



Test Report issued under the responsibility of:

KEMA Quality
a DEKRA company

TEST REPORT
IEC 60947-2
Low-voltage switchgear and controlgear - Part 2: Circuit-breakers

Report Reference No......: 2135743.50
Date of issue.....: 2010-08-16
Total number of pages 57

CB Testing Laboratory.....: KEMA Quality B.V.
Address: Utrechtseweg 310, 6812 AR Arnhem, The Netherlands

Applicant's name.....: Hyundai Heavy Industries Co. Ltd.
Address: 1, Jeonha-Dong, Dong-Ku, Ulsan, Korea, 682-792

Test specification:

Standard: IEC 60947-2:2006 (4th Edition)
Test procedure: CB
Non-standard test method.....: N/A

Test Report Form No......: IEC60947_2E
Test Report Form(s) Originator: KEMA
Master TRF: Dated 2008-12

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

Test item description

Trade Mark: Hyundai
Manufacturer: Hyundai Heavy Industries Co. Ltd.
Model/Type reference.....: UCB 250 L, UCB 250 H, UCB 250 V, UCB 250 W,
UCB 160 L, UCB 160 H, UCB 160 V, UCB 160 W
Ratings: Ie = 125 A, 150 A, 175 A, 200 A, 225 A, 250 A
(UCB 250 L, UCB 250 H, UCB 250 V, UCB 250 W)
Ie = 125 A, 150 A, 160 A
(UCB 160 L, UCB 160 H, UCB 160 V, UCB 160 W)