



CB TEST CERTIFICATE

Ref. Certificate No.

NL-18553

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= 8 kV Ui = 690 Vac Ue = 440 Vac In = 15 A, 20 A, 30 A, 40 A, 50 A, 63 A, 80 A, 100 A Icu = 25 kA at 440 V, 30 kA at 415 V Ics = 25 % Icu Rated frequency = 50/60 Hz		
Trade mark (if any):	Hyundai		
Model/Type reference:	UAB 100 S, UAB 100 R, UAB 100 C, UAB 60 H, UAB 60 S, UAB 60 R, UAB 60 C, UAB 50 H, UAB 50 S, UAB 50 R, UAB 50 C, UAB 30 R, UAB 30 C		
Additional information:			
Sample of product tested to be in conformity with IEC:	60947-2(ed.4)		
Test Report Ref. No:	2126941.52		

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

KEMA Quality

a DEKRA company

Signed by: A.G.H. Bergervoet

Date of issue: 2010-07-07



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

Report Reference No.: 2126941.52
Date of issue: 2010-07-06
Total number of pages: 61

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: UAB 100 S, UAB 100 R, UAB 100 C, UAB 60 H, UAB 60 S, UAB 60 R, UAB 60 C, UAB 50 H, UAB 50 S, UAB 50 R, UAB 50 C, UAB 30 R, UAB 30 C
Ratings: Ie = 15 A, 20 A, 30 A, 40 A, 50 A, 63 A, 80 A, 100 A (UAB 100 S / UAB 100 R / UAB 100 C)
Ie = 15 A, 20 A, 30 A, 40 A, 50 A, 63 A (UAB 60 H / UAB 60 S / UAB 60 R / UAB 60 C)
Ie = 15 A, 20 A, 30 A, 40 A, 50 A (UAB 50 H / UAB 50 S / UAB 50 R / UAB 50 C)
Ie = 15 A, 20 A, 30 A (UAB 30 R / UAB 30 C)



CB TEST CERTIFICATE

Ref. Certificate No.

NL-18861

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 = 440 Vac In = 40 A, 50 A, 63 A, 80 A, 100 A, 125 A Icu = 50 kA at 440 V Ics = 75 % Icu Rated frequency = 50/60 Hz		
Trade mark (if any):	Hyundai		
Model/Type reference:	UCB 100 L, UCB 100 H, UCB 100 V, UCB 100 W, UCB 50 L, UCB 50 H, UCB 50 V, UCB 50 W.		
Additional information:	-		
Sample of product tested to be in conformity with IEC:	60947-2(ed.4);am1		
Test Report Ref. No:	2135743.51		

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......: 2135743.51
Date of issue.....: 2010-08-16
Total number of pages: 54

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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Test item description:
Trade Mark: Hyundai
Manufacturer: Hyundai Heavy Industries Co. Ltd.
Model/Type reference.....: UCB 100 L, UCB 100 H, UCB 100 V, UCB 100 W,
UCB 50 L, UCB 50 H, UCB 50 V, UCB 50 W
Ratings: Ie = 40 A, 50 A, 63 A, 80 A, 100 A, 125 A
(UCB 100 L, UCB 100 H, UCB 100 V, UCB 100 W)
Ie = 40 A, 50 A
(UCB 50 L, UCB 50 H, UCB 50 V, UCB 50 W)