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

KEMA Quality
a DEKRA company

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

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

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)