



Ref. Certif. No.

HU-003335-M1

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME**CB TEST CERTIFICATE**

Product	Moulded Case Circuit Breaker
Name and address of the applicant	HIMEL HONG KONG LIMITED 11/F KERRY CTR 683 KING'S RD QUARRY BAY, Hong Kong
Name and address of the manufacturer	DELIXI ELECTRIC LTD Delixi High Tech Industrial Park, Liushi Town, Yueqing City, 325604 Zhejiang, P.R. China
Name and address of the factory	DELIXI ELECTRIC LTD Delixi High Tech Industrial Park, Liushi Town, Yueqing City, 325604 Zhejiang, P.R. China
Ratings and principal characteristics	Ui:1000V; Uimp:8kV; Reference temperature:+40°C or +50°C; Ue:AC400/415V; In:16A to 630A; Cat.A; Number of poles:3P,4P; See appendix of CB Test Certificate for further ratings
Trademark (if any)	Himel
Customer's Testing Facility (CTF) Stage used	N/A
Model / Type Ref.	HDM3S series
Additional information (if necessary may also be reported on page 2)	This Certificate is Modification No.1 to CBTC ref. No. HU-003335, dated 2021-03-04, and is issued due to adding HDM3S-400M and HDM3S-630M frame size.
A sample of the product was tested and found to be in conformity with	IEC 60947-2:2016+A1
As shown in the Test Report Ref. No. which forms part of this Certificate	CN21H97W 004

This CB Test Certificate is issued by the National Certification Body

**TÜVRheinland**®TÜV Rheinland InterCert Kft., MEEI Division  
H-1143 Budapest, Gizella út 51-57., Hungary  
Web:www.tuv.com

Date: 2021-07-16

Signature:

Rui Ma

1. DELIXI ELECTRIC LTD  
Delixi High Tech Industrial Park,  
Liushi Town, Yueqing City,  
325604 Zhejiang  
P.R. China

**Additional information (if necessary)**

Report Ref. No. : CN21H97W 004

This CB test report No. CN21H97W 004 is based on and only valid together with the following CB test reports:  
CN217HV 002 (HDM3S-160M); CN21BGY5 002 (HDM3S-250M);  
CN21IP2L 002 (HDM3S-400M); CN21DWA9 002 (HDM3S-630M)



Date: 2021-07-16

Signature:

Rui Ma

## Appendix of CB TEST CERTIFICATE – HU-003335-M1

### Product data – HDM3S-160M

Product:	Moulded-Case Circuit Breaker		
Trade name:	Himel		
Type:	HDM3S-160M		
Selectivity category:	A		
Type of release:	Thermo-magnetic, Magnetic		
Reference temperature:	+40°C or +50°C		
Number of poles:	3P, 4P(with switched neutral pole)		
Number of protected poles:	3 poles		
Rated operational voltage (Ue):	AC400/415V		
Rated frequency:	50/60Hz		
Rated current (In):	16A,20A,25A,32A,40A, 50A, 63A, 80A, 100A, 125A,140A,150A,160A		
Conventional thermal current (Ith):	Same as In		
Rated ultimate short-circuit breaking capacity (Icu):	35kA		
Rated service short-circuit breaking capacity (Ics):	35kA		
Rated short-time withstand current( Icw):	N/A		
Safety distance:	Up / Down: 50 / 0 mm		
	Left / Right: 10 / 10 mm		
	Front / Back: 10 / 0 mm		
Rated insulation voltage (Ui):	1000V		
Rated impulse withstand voltage (Uimp):	8.0kV		
Suitable for isolation:	Yes		
Suitable for use in IT system:	No		
Over-current release - current range of setting:			
	Magnetic protection	Thermal-magnetic protection	
In	63-160A	63-160A	16-160A
Ir	//	(0.8,0.9,1)In	(0.8,0.9,1)In
Ii	(5,6,7,8,9,10)In	(5,6,7,8,9,10)In	16-50A: 500A 63-160A: 10In
Over-current release - time range of setting:		Tr(@2Ir)≤5min	

**Product data – HDM3S-250M**

Product:	Moulded-Case Circuit Breaker		
Trade name:	Himel		
Type:	HDM3S-250M		
Selectivity category:	A		
Type of release:	Thermo-magnetic, Magnetic		
Reference temperature:	+40°C or +50°C		
Number of poles:	3P, 4P(with switched neutral pole)		
Number of protected poles:	3 poles		
Rated operational voltage (Ue):	AC400/415V		
Rated frequency:	50/60Hz		
Rated current (In):	140A,150A,160A,180A,200A,225A,250A		
Conventional thermal current (Ith):	Same as In		
Rated ultimate short-circuit breaking capacity (Icu):	35kA		
Rated service short-circuit breaking capacity (Ics):	35kA		
Rated short-time withstand current( Icw):	N/A		
Safety distance:	Up / Down: 60 / 0 mm		
	Left / Right: 30 / 30 mm		
	Front / Back: 20 / 0 mm		
Rated insulation voltage (Ui):	1000V		
Rated impulse withstand voltage (Uimp):	8.0kV		
Suitable for isolation:	Yes		
Suitable for use in IT system:	No		
Over-current release - current range of setting:			
	Magnetic protection	Thermal-magnetic protection	
In	140-250A	140-250A	
Ir	//	(0.8,0.9,1)In	(0.8,0.9,1)In
Ii	(5,6,7,8,9,10)In	(5,6,7,8,9,10)In	10In
Over-current release - time range of setting:		Tr(@2Ir)≤5min	

**Product data – HDM3S-400M**

Product:	Moulded-Case Circuit Breaker		
Trade name:	Himel		
Type:	HDM3S-400M		
Selectivity category:	A		
Type of release:	Thermo-magnetic, Magnetic		
Reference temperature:	+40°C or +50°C		
Number of poles:	3P, 4P(with switched neutral pole)		
Number of protected poles:	3 poles		
Rated operational voltage (Ue):	AC400/415V		
Rated frequency:	50/60Hz		
Rated current (In):	250A,320A,350A,400A		
Conventional thermal current (Ith):	Same as In		
Rated ultimate short-circuit breaking capacity (Icu):	50kA		
Rated service short-circuit breaking capacity (Ics):	50kA		
Rated short-time withstand current( Icw):	N/A		
Safety distance:	Up / Down: 110/110 mm		
	Left / Right: 70/70 mm		
	Front / Back: 20/0 mm		
Rated insulation voltage (Ui):	1000V		
Rated impulse withstand voltage (Uimp):	8.0kV		
Suitable for isolation:	Yes		
Suitable for use in IT system:	No		
Over-current release - current range of setting:			
	Magnetic protection	Thermal-magnetic protection	
In	250-400A	250-400A	
Ir	//	(0.8,0.9,1)In	(0.8,0.9,1)In
Ii	(5,6,7,8,9,10)In	(5,6,7,8,9,10)In	10In
Over-current release - time range of setting:		Tr(@2Ir)≤10min	

**Product data – HDM3S-630M**

Product:	Moulded-Case Circuit Breaker		
Trade name:	Himel		
Type:	HDM3S-630M		
Selectivity category:	A		
Type of release:	Thermo-magnetic, Magnetic		
Reference temperature:	+40°C or +50°C		
Number of poles:	3P, 4P(with switched neutral pole)		
Number of protected poles:	3 poles		
Rated operational voltage (Ue):	AC400/415V		
Rated frequency:	50/60Hz		
Rated current (In):	400A,500A,630A		
Conventional thermal current (Ith):	Same as In		
Rated ultimate short-circuit breaking capacity (Icu):	50kA		
Rated service short-circuit breaking capacity (Ics):	50kA		
Rated short-time withstand current( Icw):	N/A		
Safety distance:	Up / Down: 110/110 mm		
	Left / Right: 70/70 mm		
	Front / Back: 20/0 mm		
Rated insulation voltage (Ui):	1000V		
Rated impulse withstand voltage (Uimp):	8.0kV		
Suitable for isolation:	Yes		
Suitable for use in IT system:	No		
Over-current release - current range of setting:			
	Magnetic protection	Thermal-magnetic protection	
In	400-630A	400-630A	
Ir	//	(0.8,0.9,1)In	(0.8,0.9,1)In
Ii	(5,6,7,8,9,10)In	(5,6,7,8,9,10)In	10In
Over-current release - time range of setting:		Tr(@2Ir)≤10min	