

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, Zhejiang, 325604 Zhejiang P.R. China
Name and address of the factory <i>Note: When more than one factory, please report on page 2</i>	See additional page(s) for the listing of 2 factories
Ratings and principal characteristics	Reference temperature: +40°C or +50°C; Type of release: Electronic; 3P, 3P+N, 4P; Ue=400/415VAC, 690VAC, 50/60Hz; In=40A to 800A
Trademark / Brand (if any)	HIMEL
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	HDM3E-125M, HDM3E-250M HDM3E-400M, HDM3E-400H HDM3E-630M, HDM3E-630H HDM3E-800M, HDM3E-800H
Additional information (if necessary may also be reported on page 2)	See additional page(s) for further Additional information.
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	CN22H288 002

This CB Test Certificate is issued by the National Certification Body

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

Date: 2022-10-14

Signature:



Wencai Zhang

Factories :

1. DELIXI ELECTRIC (WUHU) LTD
Wuhu Machinery Industrial Park, Wuhu city 241100 Anhui
P.R. China
2. DELIXI ELECTRIC LTD
Delixi High Tech Industrial Park, Liushi Town, Yueqing City, 325604 Zhejiang
P.R. China

Additional information :

Further ratings for Models: HDM3E-125M

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Selectivity category: A

Type of release: Electronic

Reference temperature: +40 °C or +50 °C

Number of poles: 3P, 3P+N(with interrupted neutral pole), 4P

Number of protected poles: 3, 3, 4

Rated operational voltage (Ue): AC400/415V, AC690V

Rated frequency: 50/60Hz

Rated current (In): 32A, 63A, 100A, 125A

Conventional thermal current (Ith): Same as In

Rated ultimate short-circuit breaking capacity (Icu):

50kA(AC400/415V), 20kA(AC690V)

Rated service short-circuit breaking capacity (Ics):

50kA(AC400/415V), 10kA(AC690V)

Rated short-time withstand current(Icw):

In=125A: 2,5kA/1s (AC400/415V), specified by manufacturer

In=100A: 2,5kA/1s (AC400/415V), specified by manufacturer

In=63A: 1kA/1s (AC400/415V), specified by manufacturer

In=32A: 0,5kA/1s (AC400/415V), specified by manufacturer

Rated insulation voltage (Ui): 800V

Rated impulse withstand voltage (Uimp): 8.0kV

Suitable for isolation: Yes (3P, 4P); No (3P+N)

Suitable for use in IT system: Yes

Over-current release - current range of setting:

In=125A, Ir=(50A, 63A, 70A, 80A, 90A, 100A, 110A, 125A, OFF),adjustable;

In=100A, Ir=(40A, 45A, 50A, 63A, 70A, 80A, 90A, 100A, OFF), adjustable;

In=63A, Ir=(32A, 36A, 40A, 45A, 50A, 56A, 60A, 63A, OFF), adjustable;

In=32A, Ir=(14A, 16A, 18A, 20A, 25A, 28A, 30A, 32A, OFF), adjustable;

Isd=(2-10)Ir, OFF adjustable;

Ii=(4-12)In, OFF, adjustable

Over-current release - time range of setting:

tr(@2Ir)= (12s, 60s, 80s, 100s)±10%;

tsd: Inverse time delay: 0,1-0,4s; Definite time delay: 0,06-0,4s

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Additional information :

Further ratings for Models: HDM3E-250M

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Selectivity category: A

Type of release: Electronic

Reference temperature: +40 °C or +50 °C

Number of poles: 3P, 3P+N(with interrupted neutral pole), 4P

Number of protected poles: 3, 3, 4

Rated operational voltage (Ue): AC400/415V, AC690V

Rated frequency: 50/60Hz

Rated current (In): 160A, 250A

Conventional thermal current (Ith): Same as In

Rated ultimate short-circuit breaking capacity (Icu):

50kA(AC400/415V), 20kA(AC690V)

Rated service short-circuit breaking capacity (Ics):

50kA(AC400/415V), 10kA(AC690V)

Rated short-time withstand current(Icw):

3kA/1s (400/415V), specified by manufacturer

Rated insulation voltage (Ui): 800V

Rated impulse withstand voltage (Uimp): 8.0kV

Suitable for isolation: Yes (3P, 4P); No (3P+N)

Suitable for use in IT system: Yes

Over-current release - current range of setting:

In=250A, Ir=(100A, 125A, 140A, 160A, 180A, 200A, 225A, 250A, OFF),adjustable;

In=160A, Ir=(80A, 90A, 100A, 110A, 125A, 140A, 150A, 160A, OFF),adjustable;

Isd=(2-10)Ir, OFF, adjustable ;

Ii=(4-12)In, OFF, adjustable

Over-current release - time range of setting:

tr(@2Ir)= (12s, 60s, 80s, 100s)±10%;

tsd: Inverse time delay: 0,1-0,4s; Definite time delay: 0,06-0,4s

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Additional information :

Further ratings for Models: HDM3E-400M, HDM3E-400H
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Selectivity category: B
Type of release: Electronic
Reference temperature: +40 °C or +50 °C
Number of poles: 3P, 3P+N(with interrupted neutral pole), 4P
Number of protected poles: 3, 3, 4
Rated operational voltage (Ue): AC400/415V(M/H type), AC690V(H type)
Rated frequency: 50/60Hz
Rated current (In): 400A
Conventional thermal current (Ith): Same as In
Rated ultimate short-circuit breaking capacity (Icu):
HDM3E-400M: 50kA;
HDM3E-400H: 85kA(400/415V); 20kA(690V);
Rated service short-circuit breaking capacity (Ics):
HDM3E-400M: 50kA;
HDM3E-400H: 65kA(400/415V); 15kA(690V)
Rated short-time withstand current(Icw): 5kA/1s
Rated insulation voltage (Ui): 800V
Rated impulse withstand voltage (Uimp): 8.0kV
Suitable for isolation: Yes (3P, 4P); No (3P+N)
Suitable for use in IT system: Yes
Over-current release - current range of setting:
Ir=(160A, 200A, 225A, 250A, 300A, 315A, 400A, OFF), adjustable;
Isd=(2-10)Ir, OFF, adjustable ;
Ii=(4-12)In, OFF, adjustable
Over-current release - time range of setting:
tr(@2Ir)= (12s, 60s, 80s, 100s)±10%;
tsd: Inverse time delay: 0,1-0,4s; Definite time delay: 0,06-0,4s
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Additional information :

Further ratings for Models: HDM3E-630M, HDM3E-630H

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Selectivity category: B

Type of release: Electronic

Reference temperature: +40 °C or +50 °C

Number of poles: 3P, 3P+N(with interrupted neutral pole), 4P

Number of protected poles: 3, 3, 4

Rated operational voltage (Ue): AC400/415V(M/H type), AC690V(H type)

Rated frequency: 50/60Hz

Rated current (In): 630A

Conventional thermal current (Ith): Same as In

Rated ultimate short-circuit breaking capacity (Icu):

HDM3E-630M: 50kA;

HDM3E-630H: 85kA(400/415V); 20kA(690V);

Rated service short-circuit breaking capacity (Ics):

HDM3E-630M: 50kA;

HDM3E-630H: 65kA(400/415V); 15kA(690V);

Rated short-time withstand current(Icw): 8kA/1s

Rated insulation voltage (Ui): 800V

Rated impulse withstand voltage (Uimp): 8.0kV

Suitable for isolation: Yes (3P, 4P); No (3P+N)

Suitable for use in IT system: Yes

Over-current release - current range of setting:

Ir=(250A, 315A, 350A, 400A, 450A, 500A, 560A, 630A, OFF), adjustable;

Isd=(2-10)Ir, OFF, adjustable ;

Ii=(4-12)In, OFF, adjustable

Over-current release - time range of setting:

tr(@2Ir)= (12s, 60s, 80s, 100s)±10%;

tsd: Inverse time delay: 0,1-0,4s; Definite time delay: 0,06-0,4s

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Additional information :

Further ratings for Models: HDM3E-800M, HDM3E-800H

Selectivity category: B

Type of release: Electronic

Reference temperature: +40 °C or +50 °C

Number of poles: 3P, 3P+N(with interrupted neutral pole), 4P

Number of protected poles: 3, 3, 4

Rated operational voltage (Ue): AC400/415V(M/H type), AC690V(H type)

Rated frequency: 50/60Hz

Rated current (In): 800A

Conventional thermal current (Ith): Same as In

Rated ultimate short-circuit breaking capacity (Icu):

HDM3E-800M: 50kA;

HDM3E-800H: 85kA(400/415V); 30kA(690V);

Rated service short-circuit breaking capacity (Ics):

HDM3E-800M: 50kA;

HDM3E-800H: 65kA(400/415V); 20kA(690V);

Rated short-time withstand current(Icw): 10kA/1s

Rated insulation voltage (Ui): 800V

Rated impulse withstand voltage (Uimp): 8.0kV

Suitable for isolation: Yes (3P, 4P); No (3P+N)

Suitable for use in IT system: Yes

Over-current release - current range of setting:

Ir=(350A, 400A, 450A, 500A, 560A, 630A, 700A, 800A, OFF), adjustable;

I_{sd}=(2-10)I_r, OFF, adjustable ;

I_i=(4-12)I_n, OFF, adjustable

Over-current release - time range of setting:

t_r(@2I_r)= (12s, 60s, 80s, 100s)±10%;

t_{sd}: Inverse time delay: 0,1-0,4s; Definite time delay: 0,06-0,4s



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