



Test Report issued under the responsibility of:



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

Report Number.....: **CN22H288 002**
Date of issue.....: **25.09.2022**
Total number of pages.....: **4**

Name of Testing Laboratory preparing the Report.....: **The Low Voltage Apparatus Laboratory of Zhejiang Testing & Inspection Institute for Mechanical and Electrical Products Quality Co., Ltd. (ZTME)**

Applicant's name: **HIMEL HONG KONG LIMITED**
Address.....: **11/F KERRY CTR 683 KING' S RD QUARRY BAY HONG KONG**

Test specification:

Standard.....: **IEC 60947-2:2016, AMD1:2019**
Test procedure: **CB scheme**
Non-standard test method: **N/A**

Test Report Form No.: **IEC60947_2J**
Test Report Form(s) Originator: **DEKRA Certification B.V.**
Master TRF.....: **Dated 2020-03-31**

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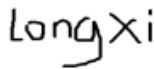

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Test item description	Moulded Case Circuit Breaker	
Trade Mark(s)		
Manufacturer	DELIXI ELECTRIC LTD	
Model/Type reference	HDM3E-125M, HDM3E-250M, HDM3E-400M, HDM3E-400H, HDM3E-630M, HDM3E-630H, HDM3E-800M, HDM3E-800H	
Ratings	Type of release: electronic; 3P, 3P+N or 4P; Ue=400/415VAC, 690VAC, 50/60Hz; for more ratings refer to page 3-4	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	The Low Voltage Apparatus Laboratory of Zhejiang Testing & Inspection Institute for Mechanical and Electrical Products Quality Co., Ltd.(ZTME)
Testing location/ address		No 125 Miaohouwang Road Binjiang District Hangzhou, Zhejiang CHINA
Tested by (name, function, signature)		Long Xi(Test Engineer) 
Approved by (name, function, signature) ..		Ma Lin(Approver) 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address		
Tested by (name, function, signature):		
Approved by (name, function, signature) ..		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) ..		
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address		
Tested by (name, function, signature):		
Witnessed by (name, function, signature) . :		
Approved by (name, function, signature) ..		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment):

N/A

Summary of testing:

The products MCCB HDM3 series are series product with several frame sizes – HDM3E-125M frame size, HDM3E-250M frame size, HDM3E-400 frame size, HDM3E-630 frame size and HDM3E-800 frame size.

This report is issued to add additional types: HDM3E-125M, HDM3E-250M, HDM3E-400M, HDM3E-630M, HDM3E-800M based on CB report CN22H288 001 and issued CB certificate HU-004081, dated on 01.09.2022.

The ratings of HDM3E-125M frame size see below:

Type	Num. of Poles	Ue(V)	In(A)	Icu(kA)	Ics(kA)	Icw(kA)
HDM3E-125M	3P or 4P(3P+N)	AC 400/415V	32/63/100/125	50	50	100/125A: 2,5kA/1s, 63A: 1kA/1s, 32A: 0,5kA/1s, specified by manufacturer
		AC690V	32/63/100/125	20	10	-

The ratings of HDM3E-250M frame size see below:

Type	Num. of Poles	Ue(V)	In(A)	Icu(kA)	Ics(kA)	Icw(kA)
HDM3E-250M	3P,3P+N or 4P	AC 400/415V	160/250	50	50	3kA/1s, specified by manufacturer
		AC690V		20	10	-

The ratings of HDM3E-400M frame size see below:

Type	Num. of Poles	Ue(V)	In(A)	Icu(kA)	Ics(kA)	Icw(kA)
HDM3E-400M	3P,3P+N or 4P	AC 400/415V	400	50	50	5kA/1s
HDM3E-400H	3P,3P+N or 4P	AC 400/415V	400	85	65	
		AC690V	400	20	15	

The ratings of HDM3E-630M frame size see below:

Type	Num. of Poles	Ue(V)	In(A)	Icu(kA)	Ics(kA)	Icw(kA)
HDM3E-630M	3P,3P+N or 4P	AC 400/415V	630	50	50	8kA/1s
HDM3E-630H	3P,3P+N or 4P	AC 400/415V	630	85	65	
		AC690V	630	20	15	

The ratings of HDM3E-800M frame size see below:

Type	Num. of Poles	Ue(V)	In(A)	Icu(kA)	Ics(kA)	Icw(kA)
HDM3E-800M	3P,3P+N or 4P	AC 400/415V	800	50	50	10kA/1s
HDM3E-800H	3P,3P+N or 4P	AC 400/415V	800	85	65	
		AC690V	800	30	20	

All type tests were tested refer to CB test report CN22H288 001 which could cover the MCCB HDM3E-125M, HDM3E-250M, HDM3E-400M, HDM3E-400H, HDM3E-630M, HDM3E-630H, HDM3E-800M, HDM3E-800H.

The special rating – Reference Temperature is +40°C or +50 °C declared by the manufacture, and for the electronic release MCCB HDM3E series, the tripping limits test was independent on the reference temperature.

All applicable tests were performed and the test items passed the specifications.

This test report is based on and only valid together with the following CB test reports:

CN222SBH 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3E-125M)

CN2200IG 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3E-250M)

CN22S70X 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3E-400M...H)

CN22ZHM4 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3E-630M...H)

CN22FB0M 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3E-800M...H)

END of SUMMARY TEST REPORT