



Test Report issued under the responsibility of:



TEST REPORT IEC 60947-2 Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	
Report Number.....	CN21H97W 004
Date of issue.....	05.07.2021
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 (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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Test item description	Moulded Case Circuit Breaker
Trade Mark(s)	Himel
Manufacturer	DELIXI ELECTRIC LTD
Model/Type reference	HDM3S series
Ratings	Cat. A; Reference temperature: +40 °C or +50 °C; 3P, 4P(with switched neutral pole); Type of release: magnetic, thermo-magnetic; for more ratings refer to page 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 (ZTME)		
Testing location/ address.....:		No 125 Miaohouwang Road Binjiang District Hangzhou, Zhejiang CHINA		
Tested by (name, function, signature).....:		<table border="1"> <tr> <td>Long Xi, Test Engineer</td> <td><i>Long Xi</i></td> </tr> </table>	Long Xi, Test Engineer	<i>Long Xi</i>
Long Xi, Test Engineer	<i>Long Xi</i>			
Approved by (name, function, signature)....:		<table border="1"> <tr> <td>Du Liang, Approver</td> <td><i>Du Liang</i></td> </tr> </table>	Du Liang, Approver	<i>Du Liang</i>
Du Liang, Approver	<i>Du Liang</i>			
<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) :				

Summary of testing:

This report is an amendent report to add additional HDM3S-400M frame size and HDM3S-630M frame size, based on the original CB test report CN21H97W 002, dated 2021-03-04. For more detail ratings see Table 3 and Table 4.

The products MCCB HDM3S series is series product with 4 frame sizes – HDM3S-160M frame size, HDM3S-250M frame size, HDM3S-400M frame size and HDM3S-630M frame size.

Table 1: The ratings of HDM3S-160M frame size see below:

Type	Ue	Icu	Ics	Ui	Uimp	In
HDM3S-160M	AC400/415V	35kA	35kA	1000V	8kV	16, 20, 25, 32, 40, 50, 63, 80, 100, 125, 140, 150, 160A

Table 2: The ratings of HDM3S-250M frame size see below:

Type	Ue	Icu	Ics	Ui	Uimp	In
HDM3S-250M	AC400/415V	35kA	35kA	1000V	8kV	140, 150, 160, 180, 200, 225, 250A

Table 3: The ratings of HDM3S-250M frame size see below:

Type	Ue	Icu	Ics	Ui	Uimp	In
HDM3S-400M	AC400/415V	50kA	50kA	1000V	8kV	250, 320, 350, 400A

Table 4: The ratings of HDM3S-250M frame size see below:

Type	Ue	Icu	Ics	Ui	Uimp	In
HDM3S-630M	AC400/415V	50kA	50kA	1000V	8kV	400, 500, 630A

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:

CN217HVV 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3S-160M)

CN21BGY5 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3S-250M)

CN21IP2L 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3S-400M)

CN21DWA9 002 / evaluation of standard IEC 60947-2 (ed. 5.1) (testing of HDM3S-630M)

END of SUMMARY TEST REPORT