



# CERTIFICATE

## FOR EUROPEAN PRODUCT SAFETY

Reference No. SE-S-2100161

### Low-voltage switchgear and controlgear - Contactors and motor-starters

**Type designation:** HDC3-\*\*\*\*

**Certificate holder:** HIMEL HONG KONG LIMITED  
11/F Kerry Crt 683 King's Rd Quarry Bay  
Hong Kong

**The product complies with the standard(s):** EN IEC 60947-4-1:2019,  
EN 60947-5-1:2017

**Date of expiry:** 29 January, 2026

**EU Directive information:** According to the principle of presumption of conformity, this certificate constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.

Intertek

Additional information in Appendix

**Certification Body:** Intertek Semko AB, Product Certification

**Place:** Kista - Stockholm

**Signed:**



**Date:** 29 January, 2021

Henrik Wikström

## APPENDIX:

Reference No. SE-S-2100161


### Technical Data:


<i>Type designation:</i>	HDC3-06				
<i>Main circuit</i>					
<i>Utilization Category:</i>	AC-3			AC-4	
<i>Rated voltage (V):</i>	220/230	380/400	660/690	380/400	660/690
<i>Rated current (A):</i>	6,0	6,0	3,8	2,6	1,0
<i>IP-Class</i>	20				
<i>Frequency (Hz)</i>	50/60				
<i>Poles No</i>	3P				
<i>Test Report</i>	201200600SHA-001				
<i>Trademark</i>					
<i>Product information</i>	Ui=690V, Uimp=6kV, Ith=16A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=1kA/690V, Iq=20kA/400V				
<i>Auxiliary contact:</i>	1NO or 1NC				
<i>Utilization Category:</i>	AC-15			DC-13	
<i>Rated voltage (V):</i>	220V		380V	220V	
<i>Rated current (A):</i>	1,6A		0,95A	0,15A	
<i>Product information:</i>	Ith= 10A, conditional short-circuit current: 1kA				
<i>Test Report</i>	201200600SHA-006				
<i>Type designation</i>	HDC3-09, HDC3-09N				
<i>Main circuit</i>					
<i>Utilization Category:</i>	AC-3			AC-4	
<i>Rated voltage (V):</i>	220/230	380/400	660/690	380/400	660/690
<i>Rated current (A):</i>	9,0A	9,0A	6,6A	3,5A	1,5A
<i>IP-Class</i>	20				
<i>Frequency (Hz)</i>	50/60				
<i>Poles No</i>	3P				
<i>Test Report</i>	201200600SHA-002				
<i>Trademark</i>					
<i>Product information</i>	Ui=690V, Uimp=6kV, Ith=25A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=1kA/690V, Iq=20kA/400V				

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**APPENDIX:**

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*Type designation* HDC3-12, HDC3-12N  
*Main circuit*  
*Utilization Category:* AC-3 AC-4  
*Rated voltage (V):* 220/230 380/400 660/690 380/400 660/690  
*Rated current (A):* 12A 12A 8,9A 5,0A 2,0A  
*IP-Class* 20  
*Frequency (Hz)* 50/60  
*Poles No* 3P  
*Test Report* 201200600SHA-002  
*Trademark*   
*Product information* Ui=690V, Uimp=6kV, Ith=25A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=1kA/690V, Iq=20kA/400V




*Type designation:* HDC3-18, HDC3-18N  
*Main circuit*  
*Utilization Category:* AC-3 AC-4  
*Rated voltage (V):* 220/230 380/400 660/690 380/400 660/690  
*Rated current (A):* 18A 18A 12A 7,7A 3,8A  
*IP-Class* 20  
*Frequency (Hz)* 50/60  
*Poles No* 3P  
*Test Report* 201200600SHA-002  
*Trademark*   
*Product information* Ui=690V, Uimp=6kV, Ith=32A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Iq=20kA/400V

*Auxiliary contact:* 1NC or 1NO or 1NC1NO  
*Utilization Category:* AC-15 DC-13  
*Rated voltage (V):* 220V 380V 220V  
*Rated current (A):* 1,6A 0,95A 0,15A  
*Product information:* Ith= 10A, conditional short-circuit current: 1kA  
*Test Report* 201200600SHA-007

*Type designation* HDC3-25, HDC3-25N  
*Main circuit*  
*Utilization Category:* AC-3 AC-4  
*Rated voltage (V):* 220/230 380/400 660/690 380/400 660/690  
*Rated current (A):* 25A 25A 18A 8,5A 4,4A  
*IP-Class* 20  
*Frequency (Hz)* 50/60  
*Poles No* 3P  
*Test Report* 201200600SHA-003  
*Trademark*   
*Product information* Ui=690V, Uimp=6kV, Ith=40A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Iq=20kA/400V




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<i>Type designation:</i>	HDC3-32, HDC3-32N				
<i>Main circuit</i>					
<i>Utilization Category:</i>	AC-3			AC-4	
<i>Rated voltage (V):</i>	220/230	380/400	660/690	380/400	660/690
<i>Rated current (A):</i>	32A	32A	22A	12A	7,5A
<i>IP-Class</i>	20				
<i>Frequency (Hz)</i>	50/60				
<i>Poles No</i>	3P				
<i>Test Report</i>	201200600SHA-003				
<i>Trademark</i>					
<i>Product information</i>	Ui=690V, Uimp=6kV, Ith=50A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Iq=20kA/400V				
<i>Type designation</i>	HDC3-38, HDC3-38N				
<i>Main circuit</i>					
<i>Utilization Category:</i>	AC-3			AC-4	
<i>Rated voltage (V):</i>	220/230	380/400	660/690	380/400	660/690
<i>Rated current (A):</i>	38A	38A	22A	14A	8,9A
<i>IP-Class</i>	20				
<i>Frequency (Hz)</i>	50/60				
<i>Poles No</i>	3P				
<i>Test Report</i>	201200600SHA-003				
<i>Trademark</i>					
<i>Product information</i>	Ui=690V, Uimp=6kV, Ith=50A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Iq=20kA/400V				
<i>Auxiliary contact:</i>	1NC or 1NO or 1NC1NO				
<i>Utilization Category:</i>	AC-15			DC-13	
<i>Rated voltage (V):</i>	220V		380V	220V	
<i>Rated current (A):</i>	1,6A		0,95A	0,15A	
<i>Product information:</i>	Ith= 10A, conditional short-circuit current: 1kA				
<i>Test Report</i>	201200600SHA-008				
<i>Type designation:</i>	HDC3-40, HDC3-40N				
<i>Main circuit</i>					
<i>Utilization Category:</i>	AC-3			AC-4	
<i>Rated voltage (V):</i>	220/230	380/400	660/690	380/400	660/690
<i>Rated current (A):</i>	40A	40A	34A	18,5A	9A
<i>IP-Class</i>	20				
<i>Frequency (Hz)</i>	50/60				
<i>Poles No</i>	3P				
<i>Test Report</i>	201200600SHA-004				
<i>Trademark</i>					
<i>Product information</i>	Ui=690V, Uimp=6kV, Ith=60A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Iq=20kA/400V				


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<i>Type designation:</i>	HDC3-50, HDC3-50N				
<i>Main circuit</i>					
<i>Utilization Category:</i>	AC-3			AC-4	
<i>Rated voltage (V):</i>	220/230	380/400	660/690	380/400	660/690
<i>Rated current (A):</i>	50A	50A	39A	24A	12A
<i>IP-Class</i>	20				
<i>Frequency (Hz)</i>	50/60				
<i>Poles No</i>	3P				
<i>Test Report</i>	201200600SHA-004				
<i>Trademark</i>					
<i>Product information</i>	Ui=690V, Uimp=6kV, Ith=80A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Iq=20kA/400V				
<i>Type designation:</i>	HDC3-65, HDC3-65N				
<i>Main circuit</i>					
<i>Utilization Category:</i>	AC-3			AC-4	
<i>Rated voltage (V):</i>	220/230	380/400	660/690	380/400	660/690
<i>Rated current (A):</i>	65A	65A	42A	28A	14A
<i>IP-Class</i>	20				
<i>Frequency (Hz)</i>	50/60				
<i>Poles No</i>	3P				
<i>Test Report</i>	201200600SHA-004				
<i>Trademark</i>					
<i>Product information</i>	Ui=690V, Uimp=6kV, Ith=80A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Ir=5kA/400V, Iq=20kA/400V				
<i>Auxiliary contact:</i>	1NC1NO				
<i>Utilization Category:</i>	AC-15			DC-13	
<i>Rated voltage (V):</i>	220V		380V	220V	
<i>Rated current (A):</i>	1,6A		0,95A	0,15A	
<i>Product information:</i>	Ith= 10A, conditional short-circuit current: 1kA				
<i>Test Report</i>	201200600SHA-009				
<i>Type designation:</i>	HDC3-80, HDC3-80N				
<i>Utilization Category:</i>	AC-3			AC-4	
<i>Rated voltage (V):</i>	220/230	380/400	660/690	380/400	660/690
<i>Rated current (A):</i>	80A	80A	49A	37A	17,3A
<i>IP-Class</i>	20				
<i>Frequency (Hz)</i>	50/60				
<i>Poles No</i>	3P				
<i>Test Report</i>	201200600SHA-005				
<i>Trademark</i>					
<i>Product information</i>	Ui=690V, Uimp=6kV, Ith=125A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Ir=5kA/400V, Iq=20kA/400V				

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*Type designation:* HDC3-95, HDC3-95N  
*Utilization Category:* AC-3 AC-4  
*Rated voltage (V):* 220/230 380/400 660/690 380/400 660/690  
*Rated current (A):* 95A 95A 49A 44A 21,3A  
*IP-Class* 20  
*Frequency (Hz)* 50/60  
*Poles No* 3P  
*Test Report* 201200600SHA-005  
*Trademark* 

*Product information* Ui=690V, Uimp=6kV, Ith=125A, Us=AC24V, 36V, 48V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V(50Hz, 50/60Hz), Ir=3kA/690V, Ir=5kA/400V, Iq=20kA/400V

*Auxiliary contact:* 1NC1NO  
*Utilization Category:* AC-15 DC-13  
*Rated voltage (V):* 220V 380V 220V  
*Rated current (A):* 1,6A 0,95A 0,15A  
*Product information:* Ith= 10A, conditional short-circuit current: 1kA  
*Test Report* 201200600SHA-010

*Model explanation:*

HDC 3 - \* \* \* \*

a) b) c) d) e) f)

a): Alternating current contactor

b): Design No.

c): the rated operational current(under 380/400V of AC-3 category)

d): NO Auxiliary contactor

e): NC Auxiliary contactor

f): Conventional: Omitted, N: reversible AC Contactor

Note: Number of NO, NC auxiliary contact and the combination type:10, 01, 11

(for 06A, only 01 or 10; for 09~38A, can be 01 or 10 or 11; for 40~95A, only 11)

**Manufacturing Sites:**

DELIXI ELECTRIC LTD

Delixi High Tech Industrial Park, Liushi Town, Yueqing City, Zhejiang Province, 325604 China

DELIXI ELECTRIC (WUHU) LTD

Wuhu Machinery Industrial Park, Wuhu City, Anhui Province, 241100 China

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According to the principle of presumption of conformity, this certificate, which includes production control, constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.

This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

The instruction for use shall be written in a language acceptable according to the national regulation in the country where the product is to be used.



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**Certification Body:** Intertek Semko AB, Product Certification **Place:** Kista - Stockholm

**Signed:**

**Date:** 29 January, 2021

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Henrik Wikström