

Test Verification of Conformity

Verification Number: 200300174SHA-V1

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	HIMEL HONG KONG LIMITED 11/F Kerry Ctr 683 King's Rd Quarry Bay Hong Kong
Manufacturing site Name & Address:	DELIXI ELECTRIC LTD Delixi High Tech Industrial Park, Liushi Town, Yueqing City, Zhejiang Province, China 325604
Product Description:	Low-voltage switchgear and controlgear: Contactors and motor- starters(Magnetic Starter)
Ratings & Principle Characteristics:	See Annex pages
Models/Type References:	HDS3-18, HDS3-38, HDS3-95
Brand Name(s):	
Standard(s)/Directive(s):	EN 60947-4-1: 2019 and EN 60947-5-1: 2017 Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China
Date of Tests:	2020-03-18 to 2020-05-28
Test Report Number(s):	200300174SHA-001, -002, -003, -004, -005, -006, -007, -008.



Signature

Name: Oliver Wei
Position: Manager
Date: 29 June 2020

APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 200300174SHA-V1

Model:	HDS3-18, with metal enclosure		
Main circuit:			
Ratings:	Ue=240Vac, 400Vac, 440Vac, 660Vac, Ui=690V, Uimp=6kV, 50/60Hz, IP54, Us=AC: 36V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V, AC-3		
Ie(A):	0,10-0,16	0,16-0,25	0,25-0,40
	0,63-1,0	1,0-1,6	1,6-2,5
	4,0-6,0	5,5-8,0	7,0-10
Trip class:	10A		
Ir(A):	1000A		
Iq(A):	50000A		
Remark	AC contactor: HDC3-09, HDC3-12, HDC3-18 (See report 170902156SHA-002, 170902156SHA-007); Thermal Relay: HDR3s-25(0,1-1,16A to 9-13A)		
Auxiliary contact:			
Ratings:	Ith=5A, conditional short-circuit current: 1kA		
Utilization Category:	AC-15	AC-15	DC-13
Ue(V):	220V	380V	220V
Ie(A):	1,64	0,95	0,15
Model:	HDS3-38, with metal enclosure		
Main circuit:			
Ratings:	Ue=240Vac, 400Vac, 440Vac, 660Vac, Ui=690V, Uimp=6kV, 50/60Hz, IP54, Us=AC: 36V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V, AC-3		
Ie(A):	12-18	17-25	23-32
			30-40
Trip class:	10A		
Ir(A):	3000A		
Iq(A):	50000A		
Auxiliary contact:			
Ratings:	Ith=5A, conditional short-circuit current: 1kA		
Utilization Category:	AC-15	AC-15	DC-13
Ue(V):	220V	380V	220V
Ie(A):	1,64	0,95	0,15
Remark	AC contactor: HDC3-25, HDC3-32, HDC3-38(See report 170902156SHA-003, 170902156SHA-008); Thermal Relay: HDR3s-25(12-18A to 17-25A), HDR3s-38(23-32A to 30-40A)		

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Model:	HDS3-95, with metal enclosure		
Main circuit:			
Ratings:	Ue=240Vac, 400Vac, 440Vac, 660Vac, Ui=690V, Uimp=6kV, 50/60Hz, IP54, Us=AC: 36V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V, AC-3		
Ie(A):	30-40	37-50	48-65
	80-93		63-80
Trip class:	10		
Ir(A):	5000A		
Iq(A):	50000A		
Remark	AC contactor: HDC3-40, HDC3-50, HDC3-65(See report 170902156SHA-004, 170902156SHA-009); HDC3-80, HDC3-95 (See report 170902156SHA-005, 170902156SHA-010). Thermal Relay: HDR3s-93(30-40A to 80-93A)		
Auxiliary contact:			
Ratings:	Ith=5A, conditional short-circuit current: 1kA		
Utilization Category:	AC-15	AC-15	DC-13
Ue(V):	220V	380V	220V
Ie(A):	1,64	0,95	0,15

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Model: HDS3-38, with plastic enclosure

Main circuit:

Ratings: $U_e=240Vac, 400Vac, 440Vac, 660Vac, U_i=690V, U_{imp}=6kV, 50/60Hz, IP54,$
 $U_s=AC: 36V, 110V, 127V, 220/230V, 240V, 380/400V, 415V, 440V, AC-3$

le(A):	0,10-0,16	0,16-0,25	0,25-0,4	0,4-0,63
	0,63-1,0	1,0-1,6	1,6-2,5	2,5-4,0
	4,0-6,0	5,5-8,0	7,0-10	9,0-13
	12-18	17-25	23-32	30-40

Trip class: 10

Ir(A): 1000A(0,1-0,16A to 9-13A), 3000A(12-18A to 30-40A)

Iq(A): 50000A

remark AC contactor: HDC3-09, HDC3-12, HDC3-18(See report 170902156SHA-002, 170902156SHA-007); HDC3-25, HDC3-32, HDC3-38(See report 170902156SHA-003, 170902156SHA-008)
 Thermal Relay: HDR3s-25(0,1-0,16A to 17-25A), HDR3s-38(23-32A to 30-40A)

Auxiliary contact:

Ratings: I_{th}=5A, conditional short-circuit current: 1kA

Utilization Category:	AC-15	AC-15	DC-13
U _e (V):	220V	380V	220V
I _e (A):	1,64	0,95	0,15



Signature

Name: Oliver Wei

Position: Manager

Date: 29 June 2020

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