NS2 Manual Motor Starter

1. General

1.1 Certificates: SEMKO, CE, UkrSEPRO, EAC, RCC, UL;
1.2 Electric ratings: AC690V, 25A, 80A;
1.3 Standard: IEC/EN 60947-2, IEC60947-4-1

2. Type designation

N S 2 - □ □ /□

- Rated current of release
- Code of structural modification
- Frame size rated current (A)
- Design sequence No.
- AC motor starter
- Company code

3. Operating conditions

3.1 Temperature: -5℃～+40℃,
average temperature in 24 hours not exceed +35℃
3.2 Altitude: not exceed 2000m
3.3 Air conditions:
At mounting site, relative humidity not exceed 50% at the max temperature of +40℃, higher relative humidity is allowable under lower temperature,
for example, RH could be 90% at +20℃
3.4 Pollution grade: Grade III
3.5 Trip class:
10A(NS2-25, NS2-25X, NS2-32, NS2-32X)
10 (NS2-80, NS2-80B)
3.6 Rated operational system:
Continuous operational system
3.7 Mounting conditions:
The inclination between the mounting plane and the vertical plane shall not exceed 5°
The product shall be installed and operated at a place without obvious shake, impact and vibration.

4. Technical data

4.1 Protection properties

Over-load Protection Properties

Series No.	Multiple of setting current	Initial status	Time		Expected results	Ambient temperature
1	1.05	Cold status	t≥2h		Non-tripping	+20℃±2℃
2	1.20	Heat status (right after test.1)	t<2h		Tripping	+20℃±2℃
3	1.50	Heat status (right after test.1)	Tripping class	10A t<2min 10 t<4min	Tripping	+20℃±2℃
4	7.20	Cold status	Tripping class	10A 2s<t≤10s 10 4s<t≤10s	Tripping	+20℃±2℃

Phase failure protection properties

Series No.	Multiple of setting current		Initial status	Time	Expected results	Ambient temperature
	Any 2 phase	The other phase				
1	1.0	0.9	Cold status	t≥2h	Non-tripping	+20℃±2℃
2	1.15	0	Heat status (right after test.1)	t<2h	Tripping	+20℃±2℃

Temperature compensation properties

Series No.	Multiple of setting current	Initial status	Time	Expected results	Ambient temperature
1	1.0	Cold status	t≥2h	Non-tripping	+40℃±2℃
2	1.2	Heat status (right after test.1)	t<2h	Tripping	+40℃±2℃
3	1.5	Heat status (through 1.0 times rated current ,after thermal equilibrium is reached)	t<2min	Tripping	+40℃±2℃
4	1.05	Cold status	t≥2h	Non-tripping	-5℃±2℃
5	1.3	Heat status (right after test.3)	t<2h	Tripping	-5℃±2℃
6	1.5	Heat status (through 1.0 times rated current ,after thermal equilibrium is reached)	t<4min	Tripping	-5℃±2℃

4.2 Technical parameters

Model			NS2-25, NS2-25X			
Picture						
Rated insulation voltage Ui(V)			690			
Rated operational voltage Ue(V)			230/240, 400/415, 440, 500, 690			
Rated impulse withstand voltage Uimp(V)			8000			
Regulating rang of setting current (A)			0.1~0.16	0.16~0.25	0.25~0.4	0.4~0.63
Rated current of release			0.16	0.25	0.4	0.63
Rated ultimate short-circuit breaking capacity Icu(kA)	230/240V		100	100	100	100
	400/415V		100	100	100	100
	440V		100	100	100	100
	480/500V		100	100	100	100
	660/690V		100	100	100	100
Rated service short-circuit breaking capacity Ics(kA)	230/240V		100	100	100	100
	400/415V		100	100	100	100
	440V		100	100	100	100
	480/500V		100	100	100	100
	660/690V		100	100	100	100
Arcing distance (mm)			40	40	40	40
Standard rated power of three-phase motor (kW)	230/240V		-	-	-	-
	400V		-	-	-	-
	415V		-	-	-	-
	440V		-	-	-	-
	500V		-	-	-	-
	660/690V		-	-	-	0.37
Current setting value of instantaneous electromagnetic release Ir(A)			1.5	2.4	5	8
Current rating of fuse-link of back-up fuse, which is only needed in case of Icc>Icu (Icc: prospective short-circuit breaking current) ★: fuse is not required	230/240V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
	400/415V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
	440V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
	500V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
	690V	aM A	★	★	★	★
		gl/gG A	★	★	★	★
Degree of protection			IP2L0	IP2L0	IP2L0	IP2L0

NS2-25, NS2-25X


690					
230/240, 400/415, 440, 500, 690					
8000					
0.63~1	1~1.6	1.6~2.5	2.5~4	4~6.3	6~10
1	1.6	2.5	4	6.3	10
100	100	100	100	100	100
100	100	100	100	100	100
100	100	100	100	50	15
100	100	100	100	50	10
100	100	3	3	3	3
100	100	100	100	100	100
100	100	100	100	100	100
100	100	100	100	50	15
100	100	100	100	50	10
100	100	2.25	2.25	2.25	2.25
40	40	40	40	40	40
-	-	0.37	0.75	1.1	2.2
-	0.37	0.75	1.5	2.2	4
-	-	0.75	1.5	2.2	4
0.37	0.55	1.1	1.5	3	4
0.37	0.75	1.1	2.2	3.7	5.5
0.55	1.1	1.5	3	4	7.5
13	22.5	33.5	51	78	138
★	★	★	★	★	★
★	★	★	★	★	★
★	★	★	★	★	★
★	★	★	★	★	★
★	★	★	★	50	50
★	★	★	★	63	63
★	★	★	★	50	50
★	★	★	★	63	63
★	★	16	25	32	32
★	★	20	32	40	40
IP2L0	IP2L0	IP2L0	IP2L0	IP2L0	IP2L0

4.3 Technical parameters

Model			NS2-25, NS2-25X, NS2-32, NS2-32X				
Picture							
Rated insulation voltage Ui(V)			690				
Rated operational voltage Ue(V)			230/240, 400/415, 440, 500, 690				
Rated impulse withstand voltage Uimp(V)			8000				
Regulating rang of setting current (A)			9~14	13~18	17~23	20~25	24~32
Rated current of release			14	18	23	25	32
Rated ultimate short-circuit breaking capacity Icu(kA)	230/240V		100	100	50	50	50
	400/415V		15	15	15	15	10
	440V		8	8	6	6	6
	480/500V		6	6	4	4	4
	660/690V		3	3	3	3	3
Rated service short-circuit breaking capacity Ics(kA)	230/240V		100	100	50	50	50
	400/415V		7.5	7.5	6	6	5
	440V		4	4	3	3	3
	500V		4.5	4.5	3	3	3
	660/690V		2.25	2.25	2.25	2.25	2.25
Arcing distance (mm)			40	40	40	40	40
Standard rated power of three-phase motor (kW)	230/240V		3	4	5.5	5.5	7.5
	400V		5.5	7.5	11	11	15
	415V		5.5	9	11	11	15
	440V		7.5	9	11	11	15
	500V		7.5	9	11	15	18.5
	660/690V		9	11	15	18.5	25
Current setting value of instantaneous electromagnetic release Ir(A)			170	223	327	327	416
Current rating of fuse-link of back-up fuse, which is only needed in case of Icc>Icu (Icc: prospective short-circuit breaking current)	230/240V	aM A	★	★	80	80	80
		gl/gG A	★	★	100	100	100
	400/415V	aM A	63	63	80	80	80
		gl/gG A	80	80	100	100	100
	440V	aM A	50	50	63	63	63
		gl/gG A	63	63	80	80	80
	500V	aM A	50	50	50	50	50
		gl/gG A	63	63	63	63	63
★: fuse is not required	690V	aM A	40	40	40	40	40
		gl/gG A	50	50	50	50	50
Degree of Protection			IP2L0	IP2L0	IP2L0	IP2L0	IP2L0

NS2-80B				
				
690				
230/240, 400/415				
8000				
	16~25	25~40	40~63	56~80
	25	40	63	80
	-	-	-	-
	15	15	15	15
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-
	7.5	7.5	7.5	7.5
	-	-	-	-
	-	-	-	-
	-	-	-	-
	50	50	50	50
	5.5	11	15	22
	11	18.5	30	40
	11	22	33	45
	-	-	-	-
	-	-	-	-
	-	-	-	-
	327	480	756	960
	★	★	★	★
	★	★	★	★
	250	250	315	315
	315	315	400	400
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-
	-	-	-	-
	IP2L0	IP2L0	IP2L0	IP2L0

4.3 Technical parameters

Model			NS2-80			
Picture						
Rated insulation voltage Ui(V)			690			
Rated operational voltage Ue(V)			400/415 660/690V			
Rated impulse withstand voltage Uimp(V)			8000			
Regulating rang of setting current (A)			16~25	25~40	40~63	56~80
Rated current of release			25	40	63	80
Rated ultimate short-circuit breaking capacity Icu(kA)	230/240V		-	-	-	-
	400/415V		35	35	35	35
	440V		-	-	-	-
	480/500V		-	-	-	-
	660/690V		4	4	4	4
Rated service short-circuit breaking capacity Ics(kA)	230/240V		-	-	-	-
	400/415V		17.5	17.5	17.5	17.5
	440V		-	-	-	-
	500V		-	-	-	-
	660/690V		2	2	2	2
Arcing distance (mm)			50	50	50	50
Standard rated power of three-phase motor (kW)	230/240V		5.5	11	15	22
	400V		11	18.5	30	-
	415V		11	22	33	45
	440V		11	22	33	45
	500V		15	25	40	55
	660/690V		18.5	33	55	63
Current setting value of instantaneous electromagnetic release Ir(A)			327	480	756	960
Current rating of fuse-link of back-up fuse, which is only needed in case of Icc>Icu (Icc: prospective short-circuit breaking current)	230/240V	aM A	-	-	-	-
		gl/gG A	-	-	-	-
	400/415V	aM A	250	250	315	315
		gl/gG A	315	315	400	400
	440V	aM A	-	-	-	-
		gl/gG A	-	-	-	-
	500V	aM A	-	-	-	-
		gl/gG A	-	-	-	-
★: fuse is not required	690V	aM A	160	160	200	200
		gl/gG A	200	200	250	250
Degree of Protection			IP2L0	IP2L0	IP2L0	IP2L0

5. Other

5.1 Starters accessories
5.1.1 Type, model and specifications of accessories (see Table 10).

Table 10

Description of accessories	Accessories Model				Accessories Specifications
	NS2-25, NS2-32 applies	NS2-25X, NS2-32X applies	NS2-80 applies	NS2-80B applies	
Undervoltage release	NS2-UV110	NS2-UV110	NS2-UV110	-	110~115V, 50Hz; 127V,60Hz
	NS2-UV220	NS2-UV220	NS2-UV220	-	220~240V, 50Hz
	NS2-UV380	NS2-UV380	NS2-UV380	-	380~400V, 50Hz; 440V,60Hz
Shunt release	NS2-SH110	NS2-SH110	NS2-SH110	-	110~115V, 50Hz; 127V,60Hz
	NS2-SH220	NS2-SH220	NS2-SH220	-	220~240V, 50Hz
	NS2-SH380	NS2-SH380	NS2-SH380	-	380~400V, 50Hz; 440V,60Hz
Instantaneous auxiliary contact (front hanging)	NS2-AE20	NS2-AE20	NS2-AE20	-	2NO
	NS2-AE11	NS2-AE11	NS2-AE11	-	1NO+1NC
Instantaneous auxiliary contact (side hanging)	NS2-AU20	NS2-AU20	NS2-AU20	NS2-AU20	2NO
	NS2-AU11	NS2-AU11	NS2-AU11	NS2-AU11	1NO+1NC
Fault signal contact and instantaneous auxiliary contact	NS2-FA0110	NS2-FA0110	-	-	1NC+1NO
	NS2-FA0101	NS2-FA0101	-	-	1NC+1NC
	NS2-FA1010	NS2-FA1010	-	-	1NO+1NO
	NS2-FA1001	NS2-FA1001	-	-	1NO+1NC
Waterproof mounting box	NS2-MC	-	-	-	-
Mounting box with emergency stop button	NS2-MC01	-	-	-	-

5.1.2 Undervoltage trip device
NS2-UV110, UV220, UV380'S, performance:
a. Rated insulation voltage Ui (V): 690.
b. Operating characteristics: When the voltage drops to 70% and 35% of the rated voltage range, undervoltage trip device shall act;
Undervoltage trip device in the power supply voltage is less than 35% of the rated voltage of the trip device, the undervoltage trip device should be able to prevent the starter from closing; when the power supply voltage is equal to or greater than 85% of the rated voltage of the trip device, the undervoltage trip device should guarantee closure of the starter.
5.1.3 The characteristics of the shunt trip
NS2-SH110, SH220, SH380:
a. Rated insulation voltage Ui (V): 690.
b. Operating characteristics: the operating voltage range of the shunt trip device is rated working voltage of 70% ~ 110%.
5.1.4 Characteristics of the instantaneous auxiliary contact NS2-AE20, AE11 (front hanging)
a. rated insulation voltage Ui (V): 250;
b. agreed thermal current Ith (A): 2.5;
c. type , rated voltage and rated operating current (see Table 11) of instantaneous auxiliary contacts.

NS2-UV

NS2-SH

NS2-AE

Table 11

Utilization category	AC-15				DC-13		
Rated operating voltage Ue (V)	24	48	110/127	230/240	24	48	60
Rated operating current Ie (A)	2	1.25	1	0.5	1	0.3	0.15
Normal operating power P (W)	48	60	127	120	24	15	9

5.1.5 Instantaneous auxiliary contact NS2-AU20, AU11 performance (side hung):
a. rated insulation voltage Ui (V): 690;
b. agreed thermal current Ith (A): 6;
c. type, rated voltage and rated operating current of the instantaneous auxiliary contacts(see Table 12).

NS2-AU

Table 12

Utilization category	AC-15							DC-13				
Rated operating voltage Ue (V)	48	110/127	230/240	380/415	440	500	690	24	48	60	110	220
Rated operating current Ie (A)	6	4.5	3.3	2.2	1.5	1	0.6	6	5	3	1.3	0.5
Normal operating power P (W)	300	500	720	850	650	500	400	140	240	180	140	120

5.1.6 Characteristics of the fault signal contact and instantaneous auxiliary contact NS2-FA:
Fault signal contact and instantaneous auxiliary contact NS2-FA, consist of the fault signal contact and instantaneous auxiliary contact. They have different use types and characteristics.
a. rated insulation voltage Ui (V): 690;
b. agreed thermal currents of instantaneous auxiliary contacts: 6, agreed thermal current of
fault signal contacts Ith (A): 2.5;
c. the use type, rated voltage and rated work current (see Table 12) of the instantaneous auxiliary contact same as the NS2-AU instantaneous auxiliary contact; the use type, rated voltage and rated operating current (see Table 13) of the fault signal contacts.

NS2-FA

Table 13

Utilization category	AC-14				DC-13		
Rated operating voltage Ue (V)	24	48	110/127	230/240	24	48	60
Rated operating current Ie (A)	1.5	1	0.5	0.3	1	0.3	0.15
Normal operating power P (W)	36	48	72	72	24	15	9
Operating performance (time)	1000	1000	1000	1000	1000	1000	1000

5.1.7 Non-normal making and breaking capacity (see Table 14) of fault signal contact and instantaneous auxiliary contact.

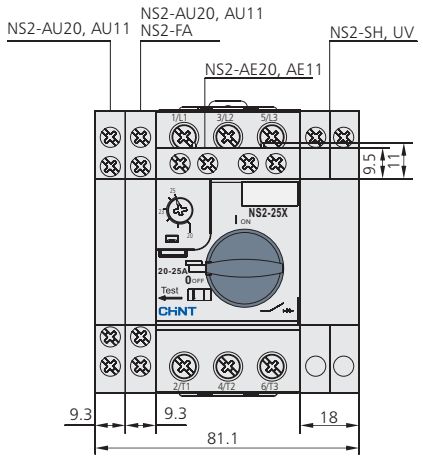
Table 14

Use type	Connection		Disconnection				On-off operation cycles and operating frequency		
	I/Ie	U/Ue	Cos Φ or T0.95	I/Ie	U/Ue	Cos Φ or T0.95	Operating cycles	Operating cycles per minutes	Energize Time
AC-14	6	1.1	0.7	6	1.1	0.7	10	2	0.05
AC-15	10	1.1	0.3	10	1.1	0.3	10	2	0.05
DC-13	1.1	1.1	6Pe	1.1	1.1	6Pe	10	2	0.05

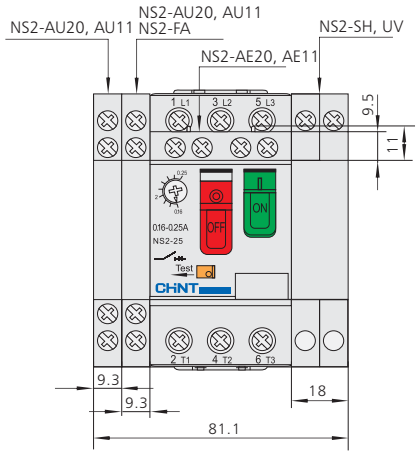
Note: Pe≥50W, T0.95 upper limit≈6Pe≤300ms.

6. Overall and mounting dimension (mm)

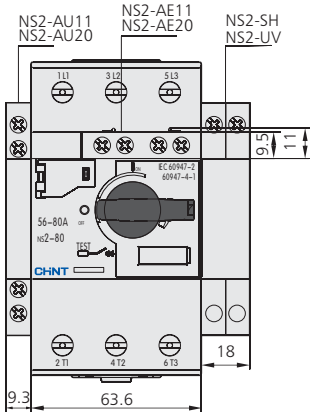
NS2-25X, NS2-32X



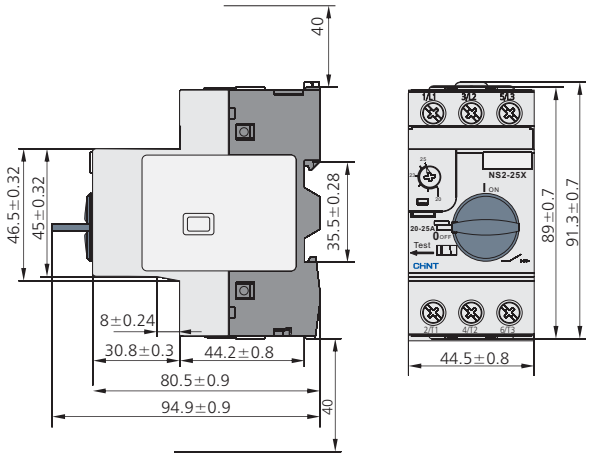
NS2-25, NS2-32



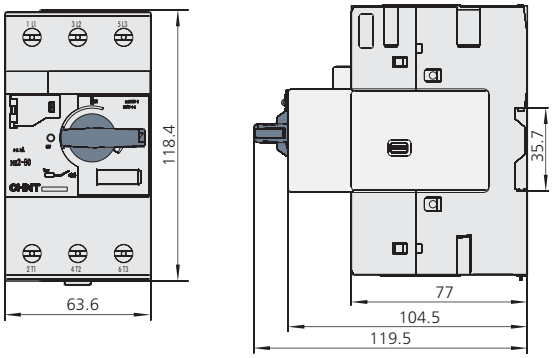
NS2-80



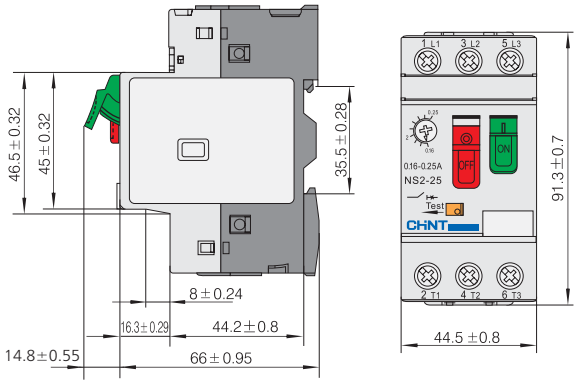
NS2-25X, NS2-32X



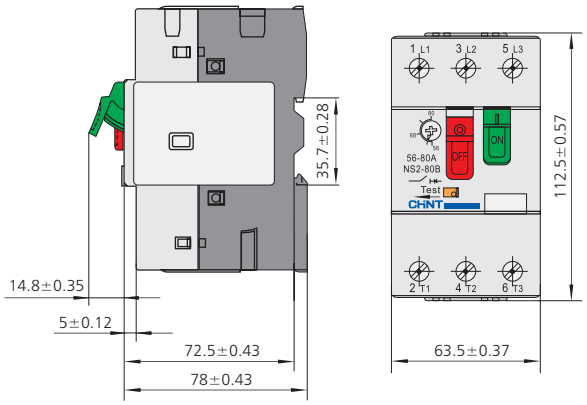
NS2-80



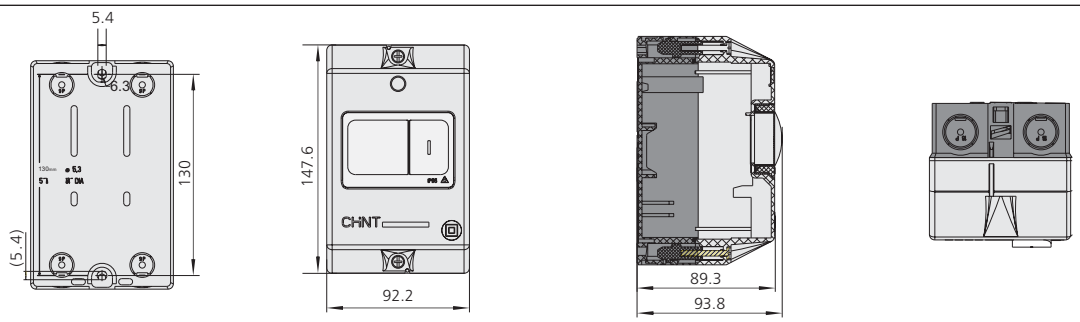
NS2-25, NS2-32



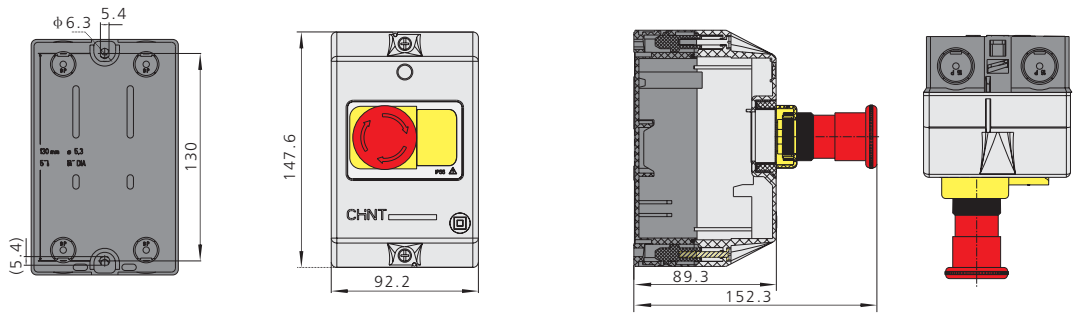
NS2-80B



NS2-MC



NS2-MC01



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Test Verification of Conformity

On the basis of the referenced test report(s), the sample(s) of the below product has been found to comply with the relevant harmonized standard(s) to the directive(s) listed on this verification at the time the tests were carried out.
The manufacturer may indicate compliance to only the said directives by signing a DoC himself and may affix the CE marking to products identical to the tested sample(s) if the product complies with all CE marking directives that has the product in their scope. In addition, the manufacturer shall file and keep the documentation according to the rules of the applicable directive(s) and shall consider changes of the standards as they may occur. Additional requirements, additional directives and local laws may be applicable.

Applicant Name & Address	:	**Zhejiang Chint Electrics Co., Ltd. No.1,Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang Province, P.R.China**
Manufacturing site Name & Address		**Same as applicant**
Product(s) Tested	:	**Electromechanical motor-starter**
Ratings and principal characteristics	:	**Ue= 415V~, AC-3, 3poles In= 25, 23, 18, 14, 10, 6.3, 4, 2.5, 1.6, 1.0, 0.63, 0.4, 0.25, 0.16A Icu=100kA(6.3~0.16A); 15kA(25~10A) Ics=100kA(6.3~0.16A); 7.5kA(18~10A); 6kA(25~23A)**
Model(s)	:	**NS2-25**
Brand name	:	**CHINT**
Relevant Standard(s) / Specification(s) / Directive(s)	:	**EN 60 947-2:2006 (4th Edition)+A1:2009 EN 60947-4-1:2010 the Low Voltage Directive 2006/95/EC**
Verification Issuing Office Name & Address	:	**Intertek Testing Services Shanghai Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China**
Verification Number	:	**SH12020941-V1**
Report Number(s)		**SH12020941-001, 002, 003, 004**

NOTE 1: This verification is part of the full test report(s) and should be read in conjunction with it.

Oliver Wei
Manager
April 27, 2012

C E R T I F I C A T E

TÜVRheinland®

of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50230737 0001

Report No.: 15053022 001

Holder:

Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road,Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product:

Switch
(Auxillary Contact)

Identification:

Type Designation : NS2-AU11 NS2-AU20

Serial No. : Engineering samples

Remark: Issued in conjunction with TÜV Rheinland license R 50233966 0001.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Date 01.08.2012

Jie Zhang

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

C E R T I F I C A T E

TÜVRheinland®

of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50230735 0001

Report No.: 15053021 001

Holder:

Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road,Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product:

Switch
(Auxillary Contact)

Identification:

Type Designation : NS2-AE11 NS2-AE20

Serial No. : Engineering samples

Remark: Issued in conjunction with TÜV Rheinland license R 50233969 0001.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle TÜVRheinland®

Jie Zhang

Date 01.08.2012

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

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TÜVRheinland®

of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50230738 0001

Report No.: 15053023 001

Holder:

Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road,Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product:

Switch
(Fault Signal Contact with Auxillary Contact)

Identification:

Type Designation : NS2-FA0110 NS2-FA0101 NS2-FA1010
NS2-FA1001
Serial No. : Engineering samples
Remark: Issued in conjunction with TÜV Rheinland license
R 50233968 0001.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body

TÜV Rheinland LGA Products GmbH

Date 01.08.2012

Jie Zhang

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

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TÜVRheinland®

of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50262483 0001

Report No.: 15063474 001

Holder:
Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road,Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product:
Circuit Breaker
(Motor-start protector)

Identification:

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Type Designation : NS2-80B
Ratings          : 3P; AC-3; Class 10
                   In:16-25A;25-40A;40-63A;56-80A CAT.: A
                   Icu=15kA (Ue:400/415V) Ics=50%Icu
Serial No.       : Engineering samples
Remark: 1)Test acc. to EN 60947-2:2006+A1+A2
                       EN 60947-4-1:2010+A1
        2)Refer to test report 15063474 001 for details.
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This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle TÜVRheinland

Certification Body

Shanghai, 12.09.2013

Jie Zhang

TÜV Rheinland Shanghai Ltd. - Shanghai 200072 - P.R.China

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

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of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50265962 0001

Report No.: 15064522 001

Holder:
Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road,Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product:
Circuit Breaker
(Release)

Identification:

Type Designation:1) NS2-SH110 2) NS2-SH220 3) NS2-SH380
(Shunt release)
1)AC110-115V 50Hz;127V 60Hz 2)AC220-240V 50Hz
3)AC380-400V 50Hz;440V 60Hz
Serial No.: Engineering sample
Remark : 1)Test acc. to EN 60947-2:2006+A1+A2
2)Refer to test report 15064522 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

TÜV Rheinland (Shanghai) Co., Ltd.

Certification Body

Shanghai, 24.09.2013

Jie Zhang

TÜV Rheinland Shanghai Ltd. - Shanghai 200072 - P.R.China

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

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TÜVRheinland

of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50268681 0001

Report No.: 15065322 001

Holder: Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road,Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product: Empty Enclosure
(Enclosure)

Identification:

Type Designation : NS2-MC NS2-MC01 (Chint)

Ratings : IP55

Serial No. : Engineering samples

Remark:Refer to test report 15065322 001 for details.

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

Certification Body

TÜV Rheinland LGA Products GmbH TÜVRheinland Zertifizierungsstelle

Shanghai, 19.12.2013

Jie Zhang

TÜV Rheinland Shanghai Ltd. - Shanghai 200072 - P.R.China

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

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Low Voltage Directive 2006/95/EC

Registration No.: AN 50281802 0001

Report No.: 15070338 001

Holder:
Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road,Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product:
Motor Starter
(Motor Protection Circuit-breaker)

Identification:
Type Designation: NS2-80
Test Standard:EN 60947-2:2006+A1+A2 and EN60947-4-1:2010+A1
Ratings: Ue:AC 415/690V; In:16-25A;25-40A;40-63A;56-80A
AC-3 trip class:10
Ics=17,5kA; Icu=35kA(AC 415V)
Ics=2kA; Icu=4kA(AC 690V)
Serial No.: n.a.
Remark: Refer to test report 15070338 001 for details

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

TÜV Rheinland LGA Products GmbH · TÜVRheinland · Zertifizierungsstelle

Certification Body

Shanghai, 12.06.2014

Jie Zhang

TÜV Rheinland Shanghai Ltd. - Shanghai 200072 - P.R.China

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE

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of Conformity
Low Voltage Directive 2006/95/EC

Registration No.: AN 50281803 0001

Report No.: 15070337 001

Holder:
Zhejiang Chint Electrics Co., Ltd.
No.1,
Chint Road,Chint Industrial Zone,
North Baixiang
Yueqing, Zhejiang Province 325603
P.R. China

Product:
Circuit Breaker
(Motor Protection Circuit-breaker)

Identification:
Type Designation: NS2-32X NS2-32
Test Standard:EN 60947-2:2006+A1+A2 and EN60947-4-1:2010+A1
Ratings: Ue:AC 400/415/690V; In:24-32A AC-3 trip class:10A
Ics=5kA; Icu=10kA(AC 400/415V)
Ics=2,25kA; Icu=3kA(AC 690V)
Serial No. : Engineering sample
Remark: Refer to test report 15070337 001 for details

This certificate of conformity is based on an evaluation of a sample of the above mentioned product. Technical Report and documentation are at the Licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Annex I of Council Directive 2006/95/EC, in its latest amended version, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex III of the Directive.

TÜV Rheinland LGA Products GmbH Zertifizierungsstelle

Certification Body

Shanghai, 29.05.2014

Jie Zhang

TÜV Rheinland Shanghai Ltd. - Shanghai 200072 - P.R.China

CE The CE marking may be used if all relevant and effective EC Directives are complied with. CE