

CERTIFICATE

Issued to:
Applicant:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road, Chint Industrial Zone, North
Baixiang, Yueqing
325603 Zhejiang, China

Licensee:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road, Chint Industrial Zone, North
Baixiang, Yueqing
325603 Zhejiang, China

Product : Push button switch
Trade name(s) : CHINT
Type(s)/model(s) : NP2 Series

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to EN 60947-5-1:2017 and IEC 60947-5-1:2016
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2032236

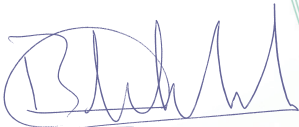
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 10 December 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-133442

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Push button switch
Trade name(s)	: CHINT
Type(s)/model(s)	: NP2 Series
Number of poles	: 1, 2 or 4
Rated voltage (Ue)	: 220 Vac / 240 Vac / 380 Vac / 415 Vac, 50 Vdc / 110 Vdc / 125 Vdc / 220 Vdc / 250 Vdc
Rated insulation voltage (Ui)	: 690 V
Rated impulse withstand voltage (Uimp)	: 6 kV
Rated current (Ie)	: AC-15: 4,5 A at 220 Vac, 3 A at 240 Vac, 2,5 A at 380 Vac, 1,9 A at 415 Vac DC-13: 1,6 A at 50 Vdc, 0,6 A at 110 Vdc, 0,55 A at 125 Vdc, 0,3 A at 220 Vdc, 0,27 A at 250 Vdc
Utilization category	: AC-15 or DC-13
Rated conditional short-circuit current	: 1 kA
Type of contact elements	: Form X, Form Y and Form Zb
Control switches with direct opening action	: Yes
Mounting hole diameter	: Φ 22, Φ 30
Ambient temperature	: -30° C - +70 °C
Method of mounting	: Single hole mounted push-buttons and indicator lights
Degree of protection against moisture	: IP40 or IP65 for head protection
Connection	: screw type terminals

TESTS**Test requirements**

EN 60947-5-1:2017
IEC 60947-5-1:2016

Test result

The test results are laid down in DEKRA test file 332979600.

Additional information

Explanation of model / type:

N P 2 - X XX XXXX X X X
a b c d e f g h i

a: Factory code

b: Push button

c: Design sequence number

d: Structure classes: B: Metal head, E: Plastic head

e: Type code (refer to table below)

f: Assistant specification code (refer to table below)

g: Letter 'C' express the head degree of protection is IP65, without letter is IP40

Letter 'F' means with shield (not applicable for $\Phi 30$), without letter means without shield

h: Pilot lamp voltage and lamp-house of push-button with lamps, LED should be marked, incandescence lamp and neon lamp can be omitted.

i: Mounting hole diameter, D22: omit, D30: Should be marked with $\Phi 30$

Push button-NP2 series including Flush-button, Illuminated push-button, Mushroom button, Selector button with rotary knob, Key switch and Indicator light, whole series are with the same contact dimensions, material, construction and connecting method. The contact module contains NC and NO, and with electrical isolation. The differences are operation method and button-header, with disassemble and exchangeable.

The NC contact is with Direct opening action performance.

Type of contact elements:

Form X, Form Y and Form Zb

The referred test reports are 3301042.50, 3317663.50, 3326062.50 and 3329796.50.

This certificate replaces certificate No. 33-125834 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

Zhejiang Chint Electrics Co., Ltd.

No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing
325603 Zhejiang, China

Type code	Assistant specification code		
A: Flush button Spring return L: High button Spring return Letter "Z" behind is self-locking	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	31: With sign I 32: With sign O 34: With sign ↓ 35: With sign ↑ 36: With sign II 37: With sign ↓ Unsigned button, this two number elided	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO & 1NC
C: Φ40 mushroom button Spring return R: Φ60 mushroom button Spring return P: push button with cover Letter "Z" behind is self-locking	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO & 1NC	
T: Mushroom button, stay-up, pull to reset, Φ 40 X: Mushroom button, stay-up, pull to reset, Φ 60	4: Red	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO & 1NC	
D: Selector button with rotary knob J: Selector button with rotary handle G: Key operated rotary button	2: Two positions locked 3: Three positions locked 4: Two positions reset 5: Three positions reset 7: Three positions left reset right locked 8: Three positions right reset left locked	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO & 1NC	
S: Mushroom button stay-up, rotated to reset	Turn restoration 4: Φ 30 5: Φ 40 6: Φ 60 Key restoration 7: Φ 30 1: Φ 40 2: Φ 60 Rotary reset with status indication 3: Φ 40	3: Green 4: Red 5: Yellow	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO & 1NC 55: 2NO & 2NC
L8: Double-headed button	3: Flush button 4: Flush button + high button	2: Red + Green	5: 1NO & 1NC
W1: Illuminated reset high button W3: Illuminated button W4: Illuminated mushroom-headed reset button Letter "Z" behind is self-locking	1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue	4: 220 V transformer type 5: 380 V transformer type 6: Direct 8: RC type	1: 1NO 2: 1NC 3: 2NO 4: 2NC 5: 1NO & 1NC
Remark: emergency stop function is not verified.			

Type code	Assistant specification code		
W8: illuminated Double-headed button	3: Flush button 4: Flush button + high button	4: 220 V transformer type 5: 380 V transformer type 6: Direct 8: RC type	5: 1NO & 1NC
K1: Knob with lamps	2: Two position locked 3: Three position locked	1: white 3: green 4: red 5: yellow 6: blue	4: 220 V transformer type 5: 380 V transformer type 6: Direct 8: RC type
V: Indicator light	4: 220 V transformer type 5: 380 V transformer type 6: Direct 8: RC type	1: White 3: Green 4: Red 5: Yellow 6: Blue	
V1: Economic indicator light	6: Direct type	1: White 3: Green 4: Red 5: Yellow 6: Blue	
BE101(no construction code) BE102(no construction code) BE103(no construction code) BE104(no construction code) BE105(no construction code)	1NO contact 1NC contact 2NO contact 2NC contact 1NO & 1NC contact		
Direct type voltage: LED: AC / DC 6 V, 12 V, 24 V, 36 V, 48 V, 110 V, 220 V, 230 V, 240 V, 380 V. incandescent lamp: AC / DC 6 V, 12 V, 24 V, 36 V, 48 V. neon lamp: AC / DC 110 V, 220 V, 230 V, 240 V, 380 V. RC-type voltage: AC 220 V, AC 380 V.			

Type code of button with box (No construction code)	Meaning of the type code		
	Configure	Sign	Color of the cover
B101H29	Green flush button, 1NO	Scutcheon sign: START	French grey
B102	Green flush button, 1NO	Push button sign: I	French grey
B103	Green flush button, 1NO	Push button sign: START	French grey
B111H29	Red flush button, 1NC	Scutcheon sign: STOP	French grey
B112	Red flush button, 1NC	Push button sign: O	French grey
B114	Red flush button, 1NC	Push button sign: STOP	French grey
B164H29	Red Φ 40 mushroom head reset button, 1 NC	Scutcheon sign: EMERGENCYSTOP / STOP	Yellow / French grey
B174H29	Red Φ 40 mushroom button Self- locking, knob reset, 1NC	Scutcheon sign: STOP	French grey
J174 H29	Red Φ 40 mushroom button Self- locking, knob reset, 1NC	Scutcheon sign: STOP	yellow
J174	Red Φ 40 mushroom button Self- locking, knob reset, 1NC		yellow
J184	Red Φ 40 mushroom button Self- locking, key reset, 1NC		yellow
B132H29	Two positions locking knob, 1NO	Scutcheon sign: STOP, START	French grey
B142H29	Two positions locking key button, 1NO	Scutcheon sign: STOP, START	French grey
B211H29	Green flush button 1NO Red flush button 1NC	Scutcheon sign: START, STOP	French grey
B213	Green flush button 1NO Red flush button 1NC	Push button sign: I, O	French grey
B215	Green flush button 1NO Red flush button 1NC	Push button sign: START, STOP	French grey
B222	White flush button 1NO Black flush button 1NO	Push button sign: \uparrow, \downarrow	French grey
B223	White flush button 1NO Black flush button 1NO	Push button sign: \rightarrow, \leftarrow	French grey

B311H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: FORWARD, STOP, REVERSE	French grey
B321H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: UP, STOP, DOWN	French grey
B341H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: OPEN, STOP, CLOSE	French grey
B339	Green flush button 1NO Red flush button 1NC Black flush button 1NO	Push button sign: I, O, II	French grey
B324	White flush button 1NO Red flush button 1NC Black flush button 1NO	Push button sign: ↑, O, ↓	French grey
B334	white flush button 1NO red flush button 1NC black flush button 1NO	Push button sign: →, O, ←	French grey
B361H29	Red pilot lamp, 220 V neon lamp, direct type Green flush button 1NO Red flush button 1NC	Scutcheon sign: START, STOP	French grey
B363	Red pilot lamp, 220 V neon lamp, direct type Green flush button 1NO Red flush button 1NC	Push button sign: I, O	French grey
B366	Red pilot lamp, 220 V neon lamp, direct type Green flush button 1NO Red flush button 1NC	Push button sign: START, STOP	French grey
B01, B02, B03	Empty boxes, of which there is one hole, two holes and three holes.		
Enclosure: normally opened contact, normally closed contact			