



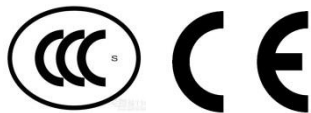
Please read operation instructions manual  
Before installing and using the product

Applicable Std: EN61439-3 EN62208

NX3

CONSUMER UNIT

User' s Guide



## 1 Precautions

- 1.1 The protective grounding (zero) system should be connected as per safety requirement.
- 1.2 The box body must be grounded properly.
- 1.3 The lead-in and-out cable openings must be well sealed.
- 1.4 The box door and body must be intact and free from any foreign objects inside.

## 2. Main Functions and Scope of Application

To be intergrated with modularized terminal electrics, NX3 consumer unit (hereinafter referred to as the consumer unit) is mainly applicable to single-phase, three-wire 50/60Hz AC circuit at a rated voltage up to 230V, and is used to distribute power to and control power consumption units and leakage as well. The consumer unit can be used in hotels, civilian constructions, industrial and mining establishments, commercial blocks, multistory buildings, railway and bus stations, hospitals, schools, office buildings and other modern architectures. It is suitable for indoor use and can be installed in hidden (build-in) mode.

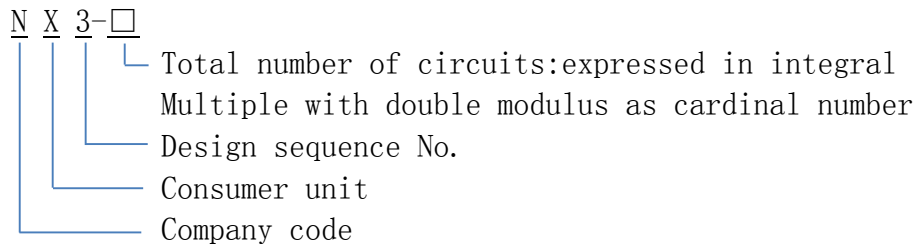
## 3. Operating Conditions and Operational Environment

- 3.1 The altitude: not exceed 2000m above sea level.
- 3.2 The ambient medium temperature should not exceed +40° C upper limit and -5° C lower limit.

- 3.3 The average relative humidity of air should not exceed 90%.
- 3.4 The operating site should be free from any apparent vibration, impact and bumping.
- 3.5 The operating site should be free from any danger of explosion, any gases that might corrode or damage the insulations of the system, and electro-conductive dust.

#### 4. Main Specifications and Technical Parameters

##### 4.1 Type Designation



##### 4.2 Classification

The consumer units are classified according to the number of circuits into:

- a) 3-unit
- b) 4-unit
- c) 5-unit
- d) 6-unit
- e) 8-unit
- f) 10-unit
- g) 14-unit
- h) 16-unit
- i) 18-unit
- j) 20-unit
- k) 22-unit

##### 4.3 Overall and mounting dimensions

Refer to Fig.1 and Table 1 for overall and mounting dimensions

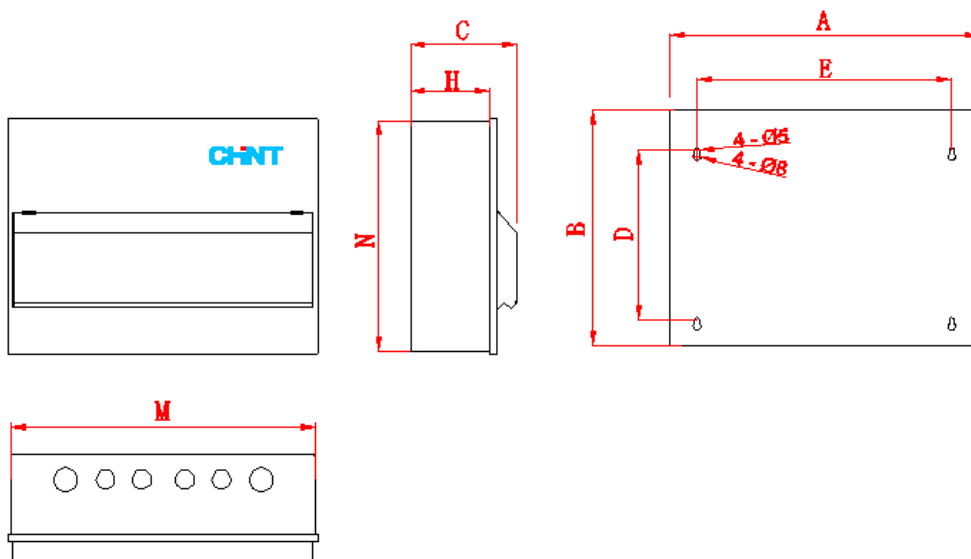


Table 2 Overall and mounting dimensions

Model	A	B	C	D	E	M	N	H	Remark
NX3-3	100	236	102	163	66	94	230	65	Tolerance $\pm 2$
NX3-4	118	236	102	163	84	112	230	65	
NX3-5	136	236	102	163	102	130	230	65	
NX3-6	154	236	102	163	120	148	230	65	
NX3-8	220	250	113	180	175	209	245	84	
NX3-10	256	250	113	180	211	245	245	84	
NX3-14	328	250	113	180	270	322	245	84	
NX3-16	364	250	113	180	306	358	245	84	
NX3-18	400	250	113	180	342	394	245	84	
NX3-20	436	250	113	180	378	430	245	84	
NX3-22	472	250	113	180	414	466	245	84	

### 5. Main Structure and System

NX3 consumer units is mainly composed of the base, installation guide rail, connection terminal, ect. The consumer unit is provided with lead-in and-out cable knock off openings at its upper and lower sections, Customers can make different electrical circuitry layouts by themselves as required. The installation capacity is 3-22 units.

### 6. Installation, Use and Maintenance

6.1 Install the consumer unit only by qualified technicians following the given procedures:

Before installing the consumer unit, install an inset box in the wall. The front surface of the inset box should be parallel with the surface of the wall. The cable taps in the insert box must be aligned with the knock off openings in the terminal box body. Or wooden blocking or fine cotters should be fit in the wall as per installation dimensions.

6.2 Wires inside the box must be arranged correctly, tidily and nicely. The terminal screws should be tightened reliably and free from loosening.

6.3 The consumer unit should be free from strike or falling down during its storage and transportation.