

尺寸: 390x92mm

5.3 Wiring diagram

ACS0-500V ACS0-500V

ND3-22V, ND3-22V/S, ND3-22VHz, ND3-22VHz/S, ND3-22Hz, ND3-22Hz/S wiring diagram

ACS0-500V ACS0-500V

ND3-22A, ND3-22AV, ND3-22AV/S, ND3-22AV/S wiring diagram

06

ACS0-500V ACS0-500V

ND 3-22T, ND 3-22T/S wiring diagram

07

4) Damage caused by force majeure factors.

7.2 Environmental protection

In order to protect the environment, when the product or its parts are scrapped, please properly dispose of the industrial waste or dispose it to the recycling station according to the relevant national regulations, recycling and recycling.

8 Ordering information

When ordering, please specify the model specifications, the color and quantity, such as ND3-22A red 20pcs; ND3-22AVHz/S yellow 20pcs .

08

CHINT

QC PASS

ND3

Digital indicator light

IEC60947-5-1

KZ Check 36

Test date: Please see the packing

ZHEJIANG CHINT ELECTRICS CO., LTD.

09

CHINT

CHINT ELECTRICS

ND3

Digital indicator light

User Instruction

Zhejiang Chint Electrics Co., Ltd.

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0463D1603

Standard: IEC60947-5-1

Safety Warning

- The product is strictly prohibited in the environment that contains flammable and explosive gas, humidity and dew, and it is strictly forbidden to operate the product with wet hands.
- When the product works, it is strictly forbidden to touch the part of the product conductivity.
- When installing, maintenance and maintenance products, Must be powered off.
- It is strictly forbidden for children to play products or packaging.
- The product installation surroundings should be kept enough space and safety distance.
- Please do not install the product in the place where the gas medium can corrode the metal and destroy the insulation.
- When the product is installed and used, the standard wire must be used and the power supply and load must meet the requirements.
- In order to avoid dangerous accidents, the installation and fixing of the product must be carried out in strict accordance with the requirements of the manual.
- After the packaging is dismantled, check whether the product is damaged and count the integrity of the items.
- Forbidden use of large harmonic electricity scenes such as non-sine waves, frequency conversion, and silicon controlled rectifier!
- This product is forbidden to be used in VFDs, inverters, and power environments with higher harmonic interference.

General warning sign:
Used to alert users to potential hazards. All safety information attached to this sign should be followed to avoid injury.

01

1 Scope of application

This series of indicating lights convert the analog signal in the process control system into a digital display to indicate various parameters of the signal, measurement and monitoring in the system. The product can indicate, measure and monitor the current, voltage, frequency, and temperature parameters. The products comply with the standard of IEC60947-5-1.

2 Type designation

Head shape: None: circular; S: square
Specification code
A: ammeter; V: voltmeter
Hz: frequency meter; T: temperature meter
AVHz: current & voltage meter;
AVHz: Current, voltage & frequency meter;
VHz: Voltage & frequency meter
Mounting hole size(diameter)
(e.g. 22, indicates 22mm of diameter)
Design sequence No
Indicator light
Company code

Example:
ND3-22 AVHz/ S: ND3 digital indicating light, hole size is 22mm, current, voltage & frequency meter, head shape is square;
ND3-22A: ND3 digital indicating light, hole size is 22mm, ammeter, round head shape.
Note: 5 kinds of indicating color can be selected: red, yellow, green, blue, white.

02

3 Mainly parameters and performance

Rated operating voltage Ue (V)	ACS0V-ACS00V
Rated operating current Ie (mA)	≤50mA
Rated insulation voltage Ui (V)	660V
Rated impulse withstand voltage Uimp (kV)	2.5 kV
LED life span(h)	≥30000h
IP degree (head)	IP53 (circular) IP50 (square)
Allowable voltage fluctuation range	±10%
Voltage measurement range and accuracy	AC 50V±2%~AC500V±2%
Current measurement range and accuracy	AC 0-100A(<50A±1A, ≥50A±2%)
Frequency measurement range and accuracy	50 Hz±2%~60 Hz±2%
Temperature measurement range and accuracy	-20℃±3℃~199℃±3℃
Normal operating temperature	-5℃~40℃
Average temperature	No more than 35℃ within 24h
Humidity	When the maximum temperature is 40℃, the relative humidity of the air does not exceed 50%
Altitude (m)	≤2000m
Pollution degree	3
Installation category	II

03

4 Dimensions

4.1 Indicating light of circular head

Model type	A	B	C	Mounting hole diameter	Weight
ND3-22A	52mm	φ29.5mm	14.5mm		0.04kg
ND3-22V	52mm	φ29.5mm	14.5mm		0.02kg
ND3-22T	52mm	φ29.5mm	14.5mm	φ22mm	0.03kg
ND3-22AV	52mm	φ29.5mm	14.5mm	φ22.5mm	0.04kg
ND3-22Hz	52mm	φ29.5mm	14.5mm		0.02kg
ND3-22VHz	52mm	φ29.5mm	14.5mm		0.02kg

04

4.2 Indicating light of square head

Model type	A1	B1	B2	C1	Mounting hole diameter	Weight
ND3-22A/S	50mm	31.5mm	31.5mm	12.8mm		0.04kg
ND3-22V/S	50mm	31.5mm	31.5mm	12.8mm		0.02kg
ND3-22T/S	50mm	31.5mm	31.5mm	12.8mm	φ22mm	0.03kg
ND3-22AV/S	50mm	31.5mm	31.5mm	12.8mm	φ22.5mm	0.04kg
ND3-22AVHz/S	50mm	31.5mm	31.5mm	12.8mm		0.04kg
ND3-22Hz/S	50mm	31.5mm	31.5mm	12.8mm		0.02 kg
ND3-22VHz/S	50mm	31.5mm	31.5mm	12.8mm		0.02 kg

05

5 Installations and operations

5.1 Product installation introduction

Sealing ring
Nomenclon
Mounting panel thickness 1mm-6mm
Locking nut
Tightening torque 1.8N·m

5.2 Wiring and tightening torque selection

Terminal tightening torque N.m	Cable (hard) mm²	Cable (soft) mm²	Remark
M3.5(0.8)	2×(0.5-1.0)	2×(0.5-1.0)	1. Use hard or flexible cable for single wires connection 2. A terminal can be connected with two cables of same cross section or same type. 3. The strip length is 6mm

05