

ND16 Series
Signal Light

User Instruction

Safety Warning

- ① Only professional technicians are allowed for installation and maintenance.
- ② Installation in any damp, condensed-phase environment with inflammable and explosive gas is forbidden.
- ③ When the product is being installed or maintained, the power must be switched off.
- ④ You are prohibited from touching the conductive part when the product is operating.

1 Use Purpose

ND16 series signal light is used as indicator, distant signal, accident signal and other signals in telecommunication and electrical circuits with frequency of AC 50 (or 60) Hz, rated voltage up to 400V and DC rated voltage up to 400V.

2 Key Technical Parameters

Table 1 Environmental conditions and main technical parameters

Environmental conditions	Ambient temp. (°C)	-5°C~+40°C, average temperature should not exceed +35°C within 24h
	Hot and humid atmospheric conditions	Relative humidity should not exceed 50% at +40°C; up to 90% at +20°C;
	Altitude	No influence below 2000m
	Pollution class/ installation category	Class 3/II
Technical parameters	Rated operating voltage Ue(V)	AC/DC(6,12,24,36,48,110,220,230,240,380,400), AC(110,220,230, 240, 380,400), see product nameplate for details
	Rated operating current Ie(mA)	≤20
	Rated insulation voltage Ui(V)	400
	Rated impulse withstand voltage Uimp(kV)	4
	Service life (h)	≥30000
	Head protection class	IP65, IP40, (Buzzer: IP20)
	Allowable voltage fluctuation range	±10%

3 Installation

1) See Figure 1 and Table 2 for overall and installation dimensions.

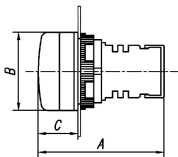


Figure 1 Overall dimensions




Table 2 Overall and installation dimensions

Unit:mm

Product model	A	B	C	Mounting hole diameter
ND16-22A	64	Φ31	14	Φ22.3
ND16-22AS	53	Φ31	14	
ND16-22B	64	Φ31	14.5	
ND16-22BS	53	Φ31	14.5	
ND16-22C	62	Φ31	13	
ND16-22CS	51	Φ31	13	
ND16-22D	64	Φ31.5	15.5	
ND16-22DS	52	Φ31.5	15.5	
ND16-22BK	64	Φ31	14.5	
ND16-22S	60.5	Φ31.5	15.5	
ND16-22 buzzer	54	Φ31	16	
ND16-16	46	Φ19.5	10	Φ16.2

2) See Table 3 for wire selection and tightening torque.

Table 3 Wire selection and tightening torque

Terminal tightening torque N.m	Wire (Hard) mm ²	Wire (Soft) mm ²	Remarks
			1) Use hard wire or soft wire for a single connection. One terminal can connect up to two wires with the same sectional area and type; 2) Wire strip length: 8mm.
M3.5 0.8~1.2	2× (0.5~2.5)	2× (0.5~2.5)	
M3 0.6~0.8	2× (0.5~1.5)	2× (0.5~1.5)	
M2.5 0.4~0.5	2× (0.5~1.5)	2× (0.5~1.5)	

3) See Figure 2 for installation diagram.

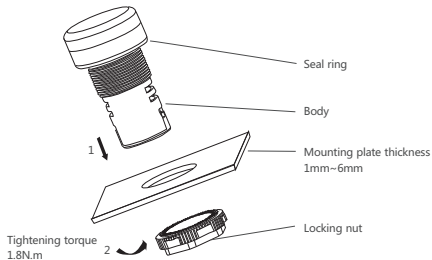


Figure 2 Installation diagram

4 Maintenance

Tighten the terminals of the signal light on a regular basis.

Tighten the locking nut of the signal light on a regular basis.

Table 4 Analysis and Troubleshooting of Faults

Symptoms	Cause analysis	Troubleshooting method
The light is out	Check if the wire and the terminal are reliably contacted with each other.	Connect the wire securely.
The light is burnt	Check if the light is working under rated operating voltage. Check if there is short circuit.	Check input voltage. Check incoming line.
Screw slippage	The screws are overtightened	Tighten the screws with specified torque.

5 Environmental Protection

In order to protect the environment, the product or product parts should be disposed of according to the industrial waste treatment process, or be sent to the recycling station for assortment, dismantling and recycling according to local regulations.

CHINT

QC PASS

ND16 Series
Signal Light
IEC/EN 60947-5-1

Check 36

Test date: Please see the packing

ZHEJIANG CHINT ELECTRICS CO., LTD.

CHNT

CHINT ELECTRICS

ND16 Series
Signal Light
User Instruction

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