CHINT
More Than Power

2009-2010
Catalogue (EN)

Low Voltage Brief Catalogue

CHNT

CHINT Electrics

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CHINT Low-voltage Electrical Products

Zhejiang CHINT Electrics Co., Ltd, the business unit of CHINT for Low-voltage Electrical Products, is a nationwide leader in power distribution and industrial control industry and is one of the core businesses of CHINT Group. The product lines cover low-voltage electrical products of circuit breakers, contactors, pushbuttons, switches, transformers, relays, capacitors, motor starters, etc. The company adopts an ERP system by SAP and automatic warehouse guarantee just-in-time operations and lead-time. Many of CHINT Low-voltage electrical products have been certified under important international certificates such as CE, DNV, AENOR, KEMA, ASTA, VDE,TÜV, SEMKO, FIMKO, CCC, EK, ESC, SNI, UKRtest, PCT, RCC, SLSI, SAA, UL, CSA, etc. Exquisitely manufactured and strictly tested, CHINT Low-voltage Electrical Products will meet your various demands for industrial, commercial, and residential applications on reliable operations and considerate before & after-sale services.

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Chint products are certified by the following international certificates:

CE	EU
DNV	Norway
N	Spain
KEMA KEUR	Netherlands
ASA	UK
VDE	Germany
TÜV	Germany
S	Sweden
FI	Finland
CCC	China
KC	Korea
ČSČ	Czech
SNI	Indonesia
005	Ukraine
PC	Russia
RCC	South Africa
	Sri Lanka
SAA	Australia
c UL us LISTED	USA
SP	Canada

Low Voltage Brief Catalogue

NB1

NB1 Miniature Circuit Breaker

● General

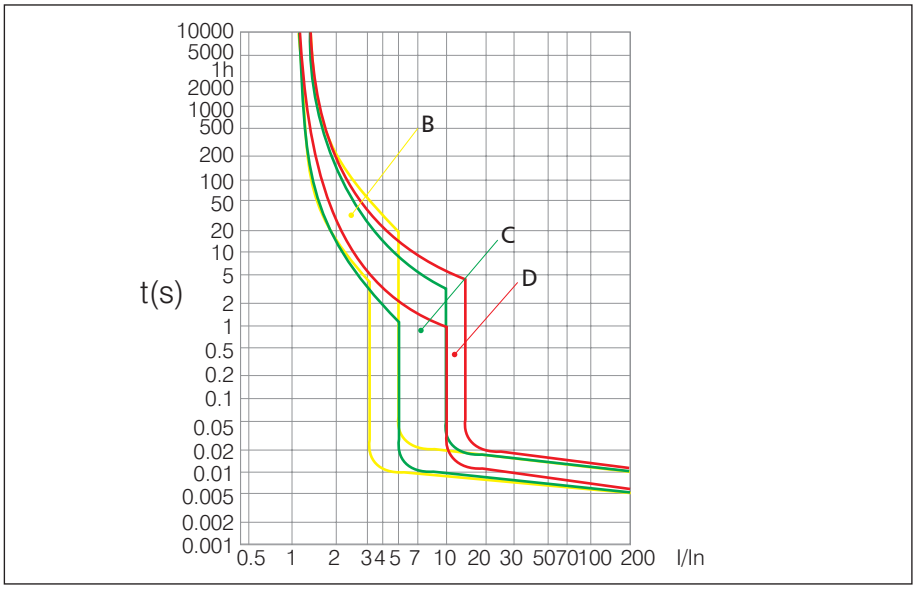
- Short circuit protection
- Overload protection
- Switch
- Isolation
- Contact position indicator
- Advanced current-limit technology
- Heat dissipation gap for better cooling
- Extendable DIN-rail holder for easy installation

● Technical features

Standard		IEC/EN 60898-1	IEC/EN 60947-2	UL1077	UL1077
Rated current In	A	1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63			
Poles		1P, 2P, 3P, 4P	1P, 2P, 3P, 4P	1P, 2P, 3P, 4P	1P, 2P
Rated voltage Ue	V	240/415	240/415	277/480	110/125
Rated frequency	Hz	AC 50/60			DC
Rated breaking capacity	A	6000/10000	6k	5k	10k
Energy limiting class		3			
Rated impulse withstand voltage(1.2/50) Uimp	V	6000			
Thermo-magnetic release characteristic		B, C, D	8-12In	B, C, D	4-7In, 7-14In
Electrical life		8, 000			
Mechanical life		20, 000			
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device			
Connection		From top and bottom			
Auxiliary contact		Yes			
Shunt release		Yes			
Under voltage release		Yes			
Alarm contact		Yes			

● Curve

IEC/EN 60898-1 B, C, D curve



eB

CE SAA

eB Miniature Circuit Breaker

● General

- Short circuit protection
- Overload protection
- Switch
- Isolation
- Economic type breaker
- High cost-effective

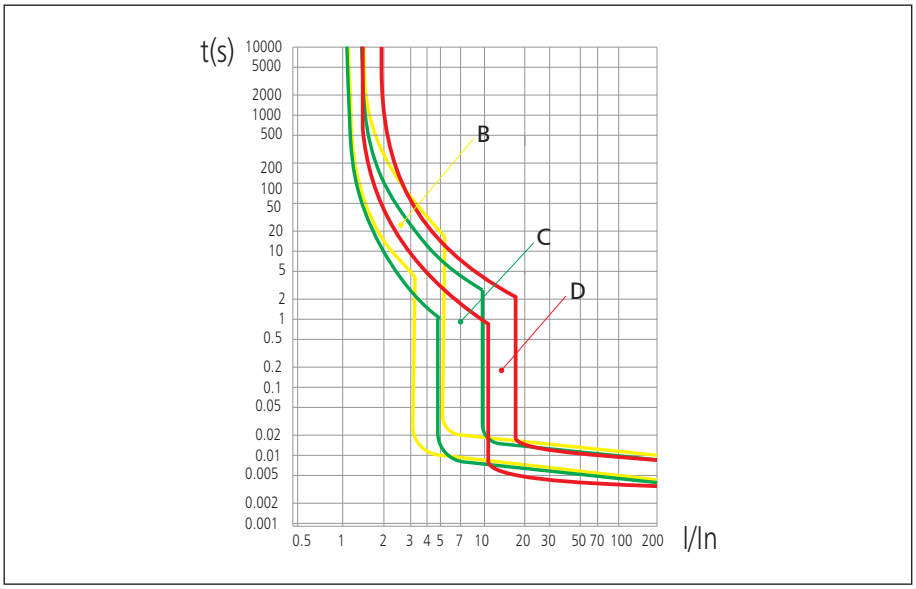
● Technical features

Standard		IEC/EN 60898-1	IEC/EN 60947-2
Rated current In	A	1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63	
Poles		1P, 2P, 3P, 4P	
Rated voltage Ue	V	230/400	240/415
Rated frequency	Hz	50/60	
Rated breaking capacity	A	3000/4500	4.5k/3k
Rated impulse withstand voltage(1.2/50) Uimp	V	4000	
Thermo-magnetic release characteristic		B, C, D	8-12In
Electrical life		4, 000	
Mechanical life		10, 000	
Terminal connection type		Cable/Pin-type busbar	
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device	
Connection		From top and bottom	

● Curve

IEC/EN 60898-1

B, C, D curve



UB

CE SAA

UB Miniature Circuit Breaker

● General

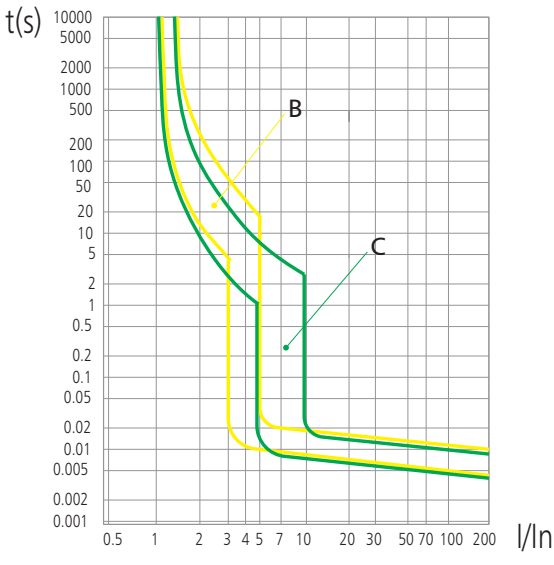
- Short circuit protection
- Overload protection
- Switch
- Isolation
- Various wiring solutions : U-type/pin-type/Comb-type Busbar/Cable

● Technical features

Standard		IEC/EN 60898-1
Rated current In	A	6, 10, 13, 16, 20, 25, 32, 40
Poles		1P, 2P, 3P, 4P
Rated voltage Ue	V	230/400
Rated frequency	Hz	50/60
Rated breaking capacity	A	6000
Rated impulse withstand voltage(1.2/50) Uimp	V	4000
Thermo-magnetic release characteristic		B, C
Electrical life		4,000
Mechanical life		10,000
Mounting		On DIN rail EN 60715 (35mm) by means of fast dip device
Connection		From top and bottom

● Curve

IEC/EN 60898-1 B, C curve



DZ158

DZ158 Miniature Circuit Breaker

● General

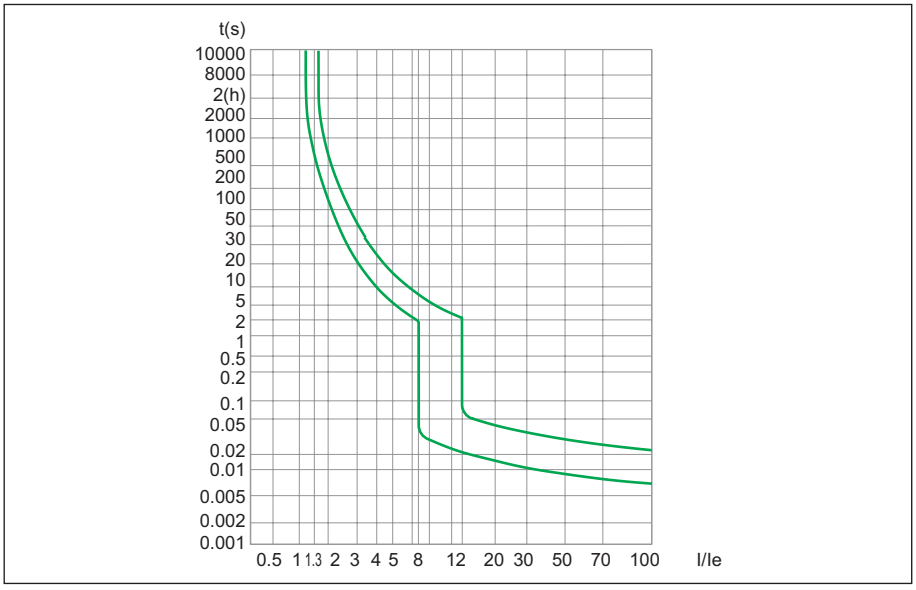
- Short circuit protection
- Overload protection
- Switch
- Isolation
- Contact position indicator

● Technical features

Standard		IEC/EN 60947-2
Rated current In	A	63, 80, 100, 125
Poles		1P, 2P, 3P, 4P
Rated voltage Ue	V	230/400
Rated frequency	Hz	50/60
Rated breaking capacity	kA	6/10
Rated impulse withstand voltage(1.2/50) Uimp	V	6000
Thermo-magnetic release characteristic		8-12In
Electrical life		1,500 (In=63A, 80A, 100A) 1,000 (In=125A)
Mechanical life		8,000 (In=63A, 80A, 100A) 7,000 (In=125A)
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Connection		From top

● Curve

IEC/EN 60947-2



NBH8

NBH8 Miniature Circuit Breaker

● General

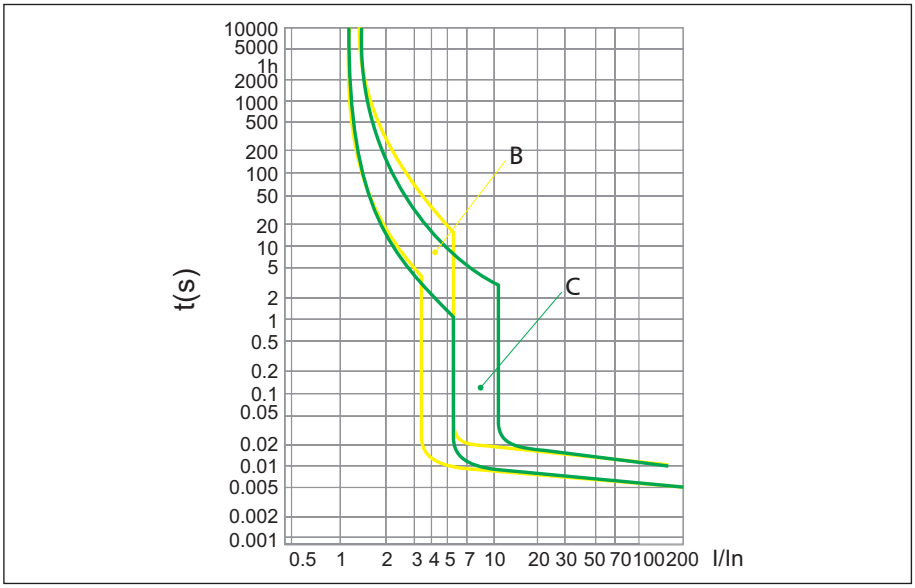
- Short circuit protection
- Overload protection
- Switch
- Isolation
- 1P+N in one module.
- Contact position indicator

● Technical features

Standard		IEC/EN 60898-1
Rated current In	A	1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40
Poles		1P+N
Rated voltage Ue	V	230
Thermo-magnetic release characteristic		B, C
Rated frequency	Hz	50/60
Rated breaking capacity	A	4500/6000
Rated impulse withstand voltage(1.2/50) Uimp	V	4000
Electrical life		4, 000
Mechanical life		10, 000
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Terminal connection type		Cable/Pin-type busbar
Auxiliary contact		Yes
Shunt release		Yes
Under voltage release		Yes
Alarm contant		Yes

● Curve

IEC/EN 60898-1 B, C curve



DZ267

DZ267 Miniature Circuit Breaker

● General

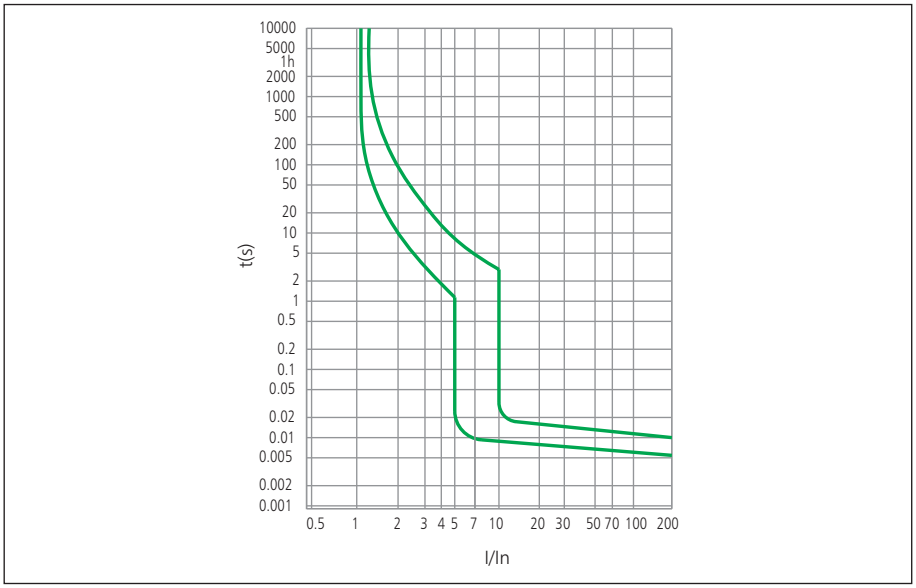
- Short circuit protection
- Overload protection
- Switch
- Isolation
- 1P+N in one module.
- Only C curve available

● Technical features

Standard		IEC/EN 60898-1
Rated current In	A	6, 10, 13, 16, 20, 25, 32
Poles		1P+N
Rated voltage Ue	V	230
Rated frequency	Hz	50/60
Rated breaking capacity	A	3, 000
Rated impulse withstand voltage(1.2/50) Uimp	V	4, 000
Electrical life		4, 000
Mechanical life		10, 000
Terminal connection type		Cable/Pin-type busbar
Connection		From top

● Curve

IEC/EN 60898-1



NL1

NL1 Residual Current Operated Circuit Breaker without Over-current Protection (Magnetic)

● General

- Protection against risk of fire
- Protection against risk of electric shock
- Protection class: AC, A, AC-S, A-S
- Tripping class

  AC class – Tripping is ensured for sinusoidal, alternating currents, whether they be quickly applied or slowly increase.

  A class – Tripping is ensured for sinusoidal, alternating residual currents as well as for pulsed DC residual currents, whether they be quickly applied or slowly increase.

  S class – can be used as upstream group switch for selective tripping contrary to a downstream standard RCCB
- Rated residual operating current

  30mA- to give a high degree of protection against electric shock in a situation where supplementary protection against shock from accidental direct contact is required when it must be able to trip within 40 milliseconds when a fault current of 150mA is detected.

  100mA- to give a degree of protection against electric shock due to indirect contact situation.

  300mA- to give overall protection against risk of fire from electrical faults in wiring etc, only where sufficient current (typically less than 500mA) may cause incandescence of metal parts in suitable circumstances and in consideration that installed over current devices would require far in excess of 300mA to operate.
- Fault current indicator

● Technical features

Standard		IEC/EN 61008-1
Type (wave form of the earth leakage sensed)		AC, A, AC-S, A-S
Rated current In	A	25, 40, 63, 80, 100
Poles		2P, 4P
Rated voltage Ue	V	230/400
Rated sensitivity I△n	A	0.03, 0.1, 0.3
Short-circuit current Icn=I△c	A	6000/10000
Electrical life		2, 000
Mechanical life		2, 000
Terminal connection type		Cable/U-type busbar/Pin-type busbar
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Connection		From top and buttom

NB1L

NB1L Residual Current Operated Circuit Breaker with Over-current Protection (Magnetic)

● General

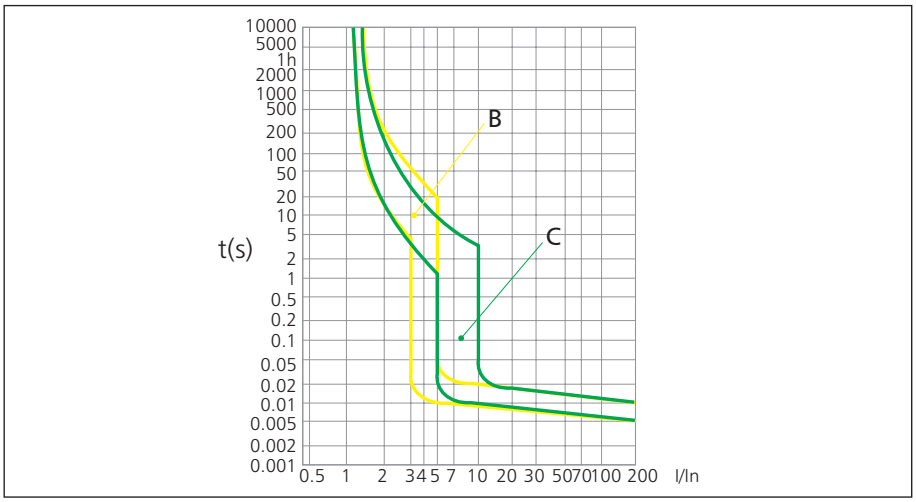
- Protection against risk of fire
- Protection against risk of electric shock
- Protection against overload
- Protection against short circuit
- Contact position indicator

● Technical features

Standard		IEC/EN 61009-1	
Type (wave form of the earth leakage sensed)		AC, A	
Thermo-magnetic release characteristic		B, C	
Rated current In	A	MCB+add-on RCD block	1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50, 63
		Combined	1, 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40
Poles		MCB+add-on RCD block	1P+N, 2P, 3P, 3P+N, 4P
		Combined	1P+N, 2P
Rated voltage Ue	V	230/400	
Rated sensitivity I△n	A	MCB+add-on RCD block	0.03, 0.1, 0.3
		Combined	0.03
Rated short-circuit capacity Icn	A	6,000/10,000	
Break time under I△n	s	⩽0.1	
Electrical life		2,000	
Mechanical life		2,000	
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device	
Connection		From top and bottom (for combined type)	
		From top (MCB+add-on RCD block)	

● Curve

IEC/EN 61009-1 B, C curve



CE

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NB3LE Residual Current Operated Circuit Breaker with Over-current Protection (Electronic)

NB3LE

● General

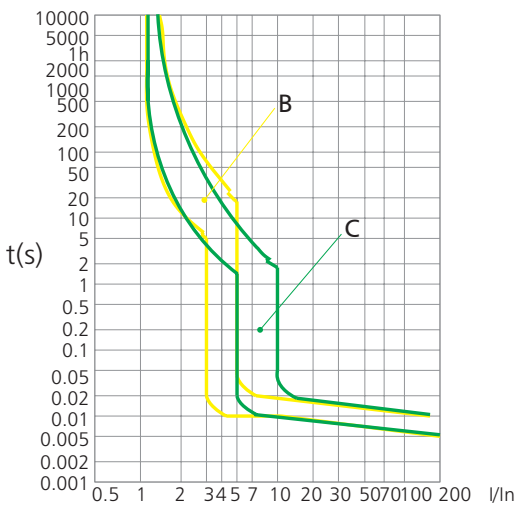
- Protection against risk of fire
- Protection against risk of electric shock
- Protection against overload
- Protection against short circuit
- 1P+N in one module
- Contact position indicator

● Technical features

Standard		IEC/EN 61009-1
Type (wave form of the earth leakage sensed)		AC
Thermo-magnetic release characteristic		B, C
Rated current In	A	6, 10, 16, 20, 25, 32
Poles		1P+N
Rated voltage Ue	V	240
Rated sensitivity I△n	A	0.03
Short-circuit current Icn	A	6,000
Break time under I△n	s	≤0.1
Electrical life		2, 000
Mechanical life		2, 000
Terminal connection type		Cable/U-type busbar/Pin-type busbar
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Connection		From top

● Curve

B, C curve



NB3LEU Residual Current Operated Circuit Breaker with Over-current Protection (Electronic)

NB3LEU

● General

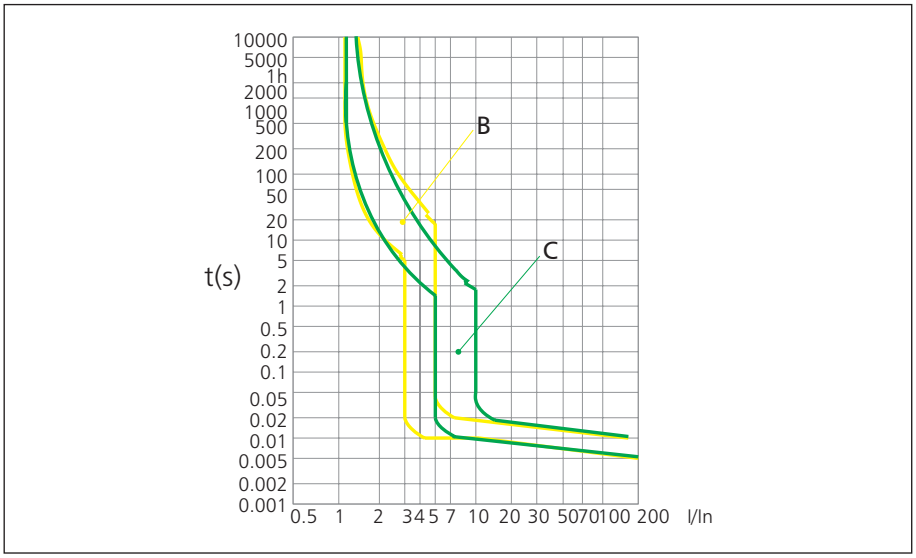
- Protection against risk of fire
- Protection against risk of electric shock
- Protection against overload
- Protection against short circuit
- 1P+N in one module
- Contact position indicator

● Technical features

Standard		IEC/EN 61009-1
Type (wave form of the earth leakage sensed)		AC
Thermo-magnetic release characteristic		B, C
Rated current In	A	6, 10, 16, 20, 25, 32,40
Poles		1P+N
Rated voltage Ue	V	240
Rated sensitivity I△n	A	0.03
Short-circuit current Icn	A	10,000
Break time under I△n	s	≤0.1
Electrical life		2, 000
Mechanical life		2, 000
Terminal connection type		Cable/U-type busbar/Pin-type busbar
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Connection		From top

● Curve

B, C curve



DZ47LE Residual Current Operated Circuit Breaker with Over-current Protection (Electronic)

DZ47LE

● General

- Protection against risk of fire
- Protection against risk of electric shock
- Protection against overload
- Protection against short circuit

● Technical features

Standard		IEC/EN 61009-1
Type (wave form of the earth leakage sensed)		AC
Thermo-magnetic release characteristic		C, D
Rated current In	A	6, 10, 16, 20, 25, 32, 40, 50, 60
Rated voltage Ue	V	230/400
Rated sensitivity I△n	A	0.03, 0.1, 0.3
Short-circuit current Icn	A	4,500/6,000
Electrical life		2, 000
Mechanical life		2, 000
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Connection		From top

NBH8LE Residual Current Operated Circuit Breaker with Over-current Protection (Electronic)

NBH8LE

● General

- Protection against risk of fire
- Protection against risk of electric shock
- Protection against overload
- Protection against short circuit

● Technical features

Standard		IEC/EN 61009-1
Type (wave form of the earth leakage sensed)		AC
Thermo-magnetic release characteristic		C
Rated current In	A	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40
Poles		1P+N
Rated voltage Ue	V	230
Rated sensitivity I△n	A	0.03
Short-circuit current Icn	A	4,500
Electrical life		2, 000
Mechanical life		2, 000
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Connection		From top

DZ158LE

DZ158LE Residual Current Operated Circuit Breaker

● General

- Protection against risk of fire
- Protection against risk of electric shock
- Protection against overload
- Protection against short circuit

● Technical features

Standard		IEC/EN 60947-2
Type (wave form of the earth leakage sensed)		AC
Thermo-magnetic release characteristic		8~12In
Rated current In	A	63, 80, 100
Poles		1P+N, 2P, 3P, 3P+N, 4P
Rated voltage Ue	V	230/400
Rated sensitivity I△n	A	0.03, 0.1, 0.3
Short-circuit current Icn	A	6,000
Electrical life		1, 500
Mechanical life		8,500
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Connection		From top

DZ267LE

DZ267LE Residual Current Operated Circuit Breaker

● General

- Protection against risk of fire
- Protection against risk of electric shock
- Protection against overload
- Protection against short circuit

● Technical features

Standard		IEC/EN 61009-1
Type (wave form of the earth leakage sensed)		AC
Thermo-magnetic release characteristic		C
Rated current In	A	6, 10, 16, 20, 25, 32
Poles		1P+N
Rated voltage Ue	V	230
Rated sensitivity I△n	A	0.03
Short-circuit current Icn	A	3,000
Electrical life		2,000
Mechanical life		4,000
Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
Connection		From top


XF9

XF9 (Auxiliary Contact for NB1, NBH8, NB1L, NB3LE, NBH8LE)

- **General**
  - General: Indication of the position of the device's contacts.
  - Manufactured according to IEC/EN 60947-5-1
  - Rated voltage: DC 24V, 48V, 130V
    AC 240V, 415V
  - Configurations: 1N/O+1N/C
  - Mounted on the left of the MCBs/RCBOs.


XF9J

XF9J (Alarm Auxiliary Contact for NB1, NBH8, NB1L, NB3LE, NBH8LE)

- **General**
  - General: Indication of the position of the device's contacts only after the automatic release of the MCBs/RCBOs due to overload or short circuit.
  - Manufactured according to IEC/EN 60947-5-1
  - Rated voltage: DC 24V, 48V, 130V
    AC 240V, 415V
  - Configurations: 1N/O+1N/C
  - Mounted on the left of the MCBs/RCBOs.


S9

S9 (Shunt Release for NB1, NBH8, NB1L, NB3LE, NBH8LE)

- **General**
  - General: Remote opening of the device when a voltage is applied.
  - Manufactured according to IEC/EN 60947-5-1
  - Rated voltage: DC 24V, 48V
    AC 24V, 230V, 400V
  - Mounted on the left of the MCBs/RCBOs.


V9

V9 (Under Voltage Release for NB1, NBH8, NB1L, NB3LE, NBH8LE)

- **General**
  - General: Reliable break the device in the case of a voltage drop (between 35% and 70% of its rated value)
  - Manufactured according to IEC/EN 60947-5-1
  - Rated voltage: AC 24V, 230V, 400V
  - Mounted on the left of the MCBs/RCBOs .


AX-1

AX-1 (Auxiliary Contact for DZ158, DZ158LE)

- **General**
  - General: Indication of the position of the device's contacts.
  - Manufactured according to IEC/EN 60947-5-1
  - Rated voltage: DC 110V
    AC 400V
  - Configurations: 1N/O+1N/C
  - Mounted on the left of the MCBs/RCBOs.

NH2 Switch Disconnector

NH2

- **General**
  - Isolation
  - Designed match DZ series MCBs/RCBOs
- **Technical features**
  - Manufactured according to IEC/EN 60947-3
  - Electric ratings: 32A, 63A,100A, 230/400V, 50/60Hz
  - Rated short circuit breaking capacity: 20Ie, t=0.1s
  - Electric life: 1500
  - Mechanical life: 8500
  - Connection: From top and bottom

NH4 Switch Disconnector

NH4

- **General**
  - Isolation
  - Designed match N series MCBs/RCBOs
- **Technical features**
  - Manufactured according to IEC/EN 60947-3
  - Electric ratings: 32A, 63A, 100A, 125A, 230/400V, 50/60Hz
  - Rated short circuit breaking capacity: 20Ie, t=0.1s
  - Electric life: 1500
  - Mechanical life: 8500
  - Connection: From top and bottom

NH9 Switch Disconnector

NH9

- **General**
  - Isolation
- **Technical features**
  - Manufactured according to IEC/EN 60947-3
  - Electric ratings: 32A, 230/400V, 50/60Hz
  - Rated short circuit breaking capacity: 20Ie, t=0.1s
  - Electric life: 1500
  - Mechanical life: 8500
  - Connection: From top and bottom

NU6 Low-voltage Surge Arrester


NU6- Ⅰ

● General

- Protect electric system and on-loading electrical apparatus from thunder.
- Protect electric system and on-loading electrical apparatus from instantaneous over-voltage.

● Technical features

- NU6- Ⅰ :
- Manufactured according to IEC/EN 61643-1
- Electric ratings: 230/400V, AC50/60Hz, 3-phases
- Shock current limp peak (10/350 μs)(kA): 15kA, 25kA, 40kA
- Max. continuous operational voltage Uc(V): 275V, 320V, 385V, 440V


NU6- Ⅱ

- NU6- Ⅱ :
- Manufactured according to IEC/EN 61643-1
- Composed by two independent components
- With remote control port
- Electric ratings: 230/400V, AC50/60Hz, 3-phases
- Nominal discharge current (kA): 5kA, 15kA, 25kA, 40kA.
- Max. continuous operational voltage Uc (V): 275V, 320V, 385V, 460V, 510V, 550V


NU6-Ⅲ

- NU6-Ⅲ:
- Manufactured according to IEC/EN 61643-1
- Composed by two independent components
- With remote control port
- Electric ratings: 230/400V, AC50/60Hz, 3-phases
- Uoc (1.2/50μs)(kV): 2kV, 3kV, 4kV, 6kV, 10kV
- Max. continuous operational voltage Uc (V): 275V, 320V, 385V

NTE8 Time Relay


NTE8

● General

- For making or breaking the device according to setting time value

● Technical features

- Manufactured according to IEC/EN 60947-5-1
- Electric ratings: 5A/1A, AC230V/DC30V, 50/60Hz
- Number of contanct: 1N/O
- Delay time range: from 0.1s to 480s
- Low power consumption: ＜1W

NP9 Pushbutton

NP9

● General

- For controlling starters, contactors, relays and other electric wire in the electric system. And the pushbutton with the lamp also could be used as light indication.

● Technical features

- Manufactured according to IEC/EN 60947-5-1
- Two type: Pushbutton without illuminated lamp
  Pushbutton with illuminated lamp
- Electric ratings: 6A, 230V, AC50/60Hz
- Electric life: 100,000
- Mechanical life: 250,000
- Assembly of contact: 1N/C+2N/O, 2N/C+1N/O, 3N/O, 2N/C+2N/O (Not available for illuminated type)
- Mounting on Din rail (TH35-7.5)

ND9 Indicator Light

ND9

● General

- Indication of signal, pre-set signal, malfunction signal in electric system.

● Technical features

- Manufactured according to IEC/EN 60947-5-1
- Two type: Pushbutton without illuminated lamp
  Pushbutton with illuminated lamp
- Electric ratings: 6A, 230V, AC50/60Hz
- Electric life: 100,000
- Mechanical life: 250,000
- Assembly of contact: 1N/C+2N/O, 2N/C+1N/O, 3N/O, 2N/C+2N/O (Not available for illuminated type)
- Mounting on Din rail (TH35-7.5)

NCH8 Modular AC Contactor

NCH8

● General

- For controlling the household device or similar low inductive electric device

● Technical features

- Manufactured according to IEC/EN 61095
- Electric ratings: up to 20A, 40A, 63A, 230V, AC50/60Hz
- Utilization category: AC-1, AC-7a, AC-7b

NX2 Consumer Unit

NX2

- **General**
  - For installing the modular DIN-rail products together to control the electric system
- **Technical features**
  - Manufactured according to IEC/EN 60439-3
  - Electric ratings: up to 100A, 230V, AC50/60Hz
  - On-load current(A): 100/1-phase, 63/3-phase
  - No. of mounted units: 10,14,18, 28, 36
  - Surface mounting

NX8 Consumer Unit

NX8

- **General**
  - For installing the modular DIN-rail products together to control the electric system
- **Technical features**
  - Manufactured according to IEC/EN 60439-3
  - Electric ratings: up to 100A, 230V, AC50/60Hz
  - On-load current(A): 100/1-phase, 63/3-phase
  - No. of mounted units: 5, 8, 12, 15, 20, 24
  - Flush mounting

NXW1 Consumer Unit for Outdoor Application

NXW1

- **General**
  - For installing the modular DIN-rail products together to control the electric system
- **Technical features**
  - Manufactured according to IEC/EN 60439-3
  - Electric ratings: up to 63A, 230V, AC50/60Hz
  - No. of mounted units: 3, 5
  - High protection degree up to IP65
  - Surface mounting

NX6 Consumer Unit

NX6

- **General**
  - For installing the modular DIN-rail products together to control the electric system
- **Technical features**
  - Manufactured according to IEC/EN 60439-3
  - Designed for single phase circuit system
  - Electric ratings: 240V, AC50/60Hz
    Max. incoming current (A): 125A
    Max. outgoing current (A): 63A
  - Protection degree: IP40
  - No. of mounted units: 10, 15,17,21,23
  - Surface mounting for indoor installation.

NX9 Distribution Board

NX9

- **General**
  - For installing the modular DIN-rail products together to control the electric system
- **Technical features**
  - Manufactured according to IEC/EN 60439-3
  - Designed for three phases circuit system
    NX9-□: Incoming DIN-rail fitted with Switch Disconnector.
    NX9-□M: Incoming DIN-rail fitted with MCCB
  - Electric ratings: 240/415V, AC50/60Hz
    Max. incoming current (A): 200A
    Max. outgoing current (A): 63A
  - Protection degree: IP40
  - No. of mounted units: 4,6,8,12,16,20
  - Surface mounting for indoor installation.

JXF Wall Mounting Enclosure

JXF

- **General**
  - For installing the modular DIN-rail products together to control the electric system
- **Technical features**
  - Manufactured according to IEC/EN 60439-1
  - Designed for three phases circuit system
  - Electric ratings: 220…240/380…415V, AC50/60Hz
    Max. incoming current (A): 630A
  - Protection degree: IP54/IP65
  - Surface mounting for outdoor installation.

MCB Shield

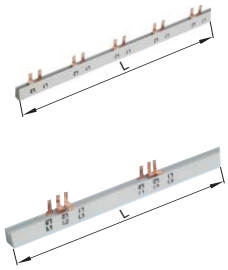
MCB Shield (For eB, NH2)

- **General**
  - Guarantee MCBs' wiring safety.
- **Technical features**
  - Electrical ratings: up to 63A, 230/400V, AC 50/60Hz
  - Poles of mounted units: 1P, 3P

Busbar for MCB & RCD

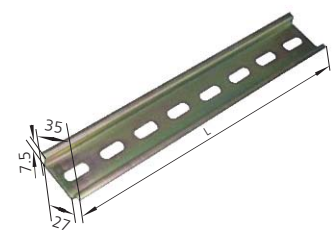
Model	Number of poles	Cross section (mm^2)	Length L (m)
Fork Type	1P, 2P, 3P, 4P	12	1
Pin Type	1P, 2P, 3P, 4P	12	1
Pin Type	1P, 2P, 3P, 4P	16	1

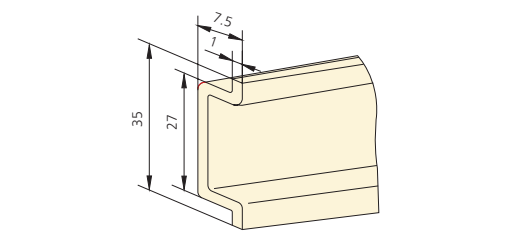
Busbar for RCBO



Model	Number of poles	Cross section (mm^2)	Length L (m)
Fork Type	2P	10	1
Pin Type	3P	10	1

DIN rail



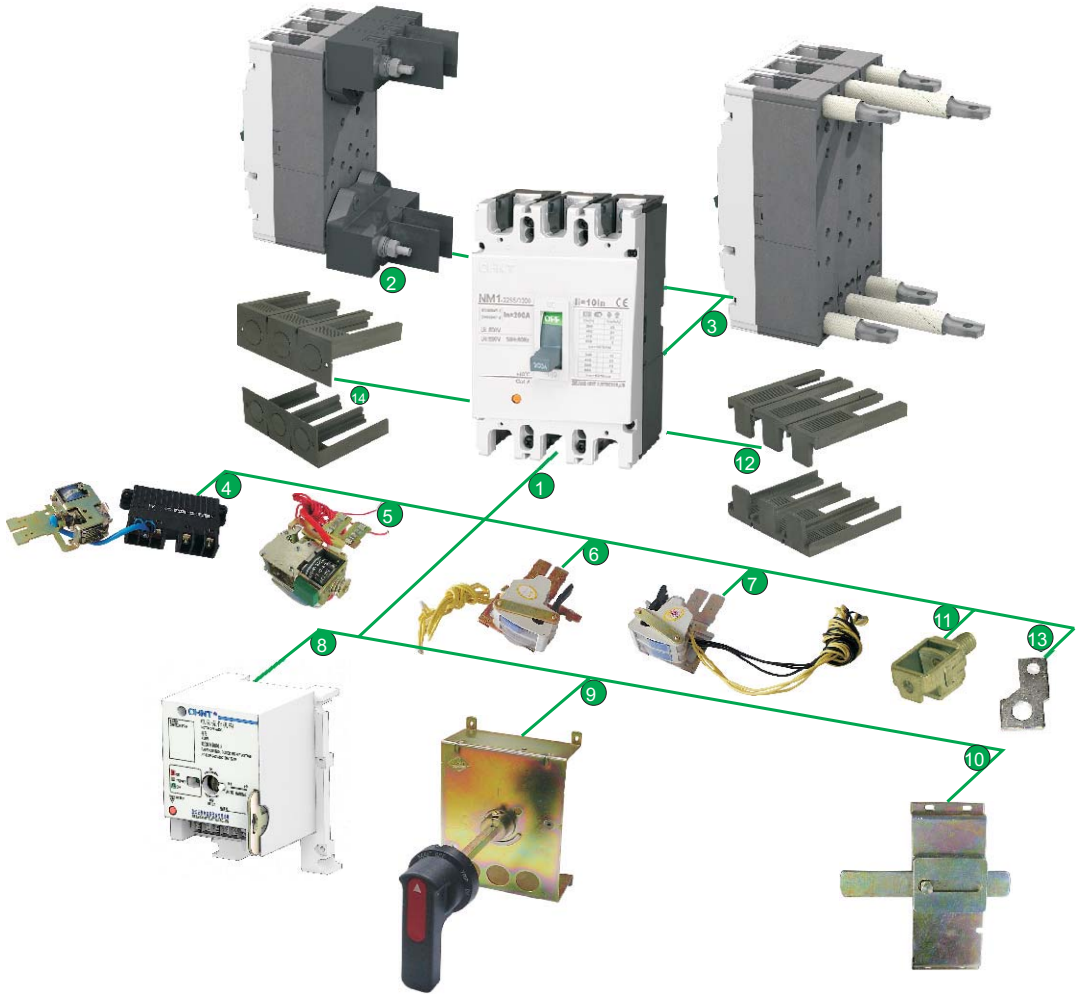


Model	L(m)
DIN rail	1

NM1

Fixed type MCCB
NM1

- Rated current from 10 to 1250A
- Employing a fixed thermal and fixed magnetic trip.
- Frames made of rigid materials of engineering plastics
- Complete range of two, three and four-pole version
- 4-class breaking capacity from 10kA to 70kA
- Vertical/horizontal installation
- Circuit breakers and auxiliaries comply with the following international standard:
  IEC/EN 60947-1: general rules
  IEC/EN 60947-2: circuit breakers
  IEC/EN 60947-4.1: contactor and motor starters
  IEC/EN 60947-5.1: and following: control circuit devices and switching elements, automatic control components.
- Certified for operation in pollution-degree III environments as defined by IEC standard 60947 (industrial environments).
- Temperature range from -5℃ to +60℃
- A complete system of add-on modules for NM1

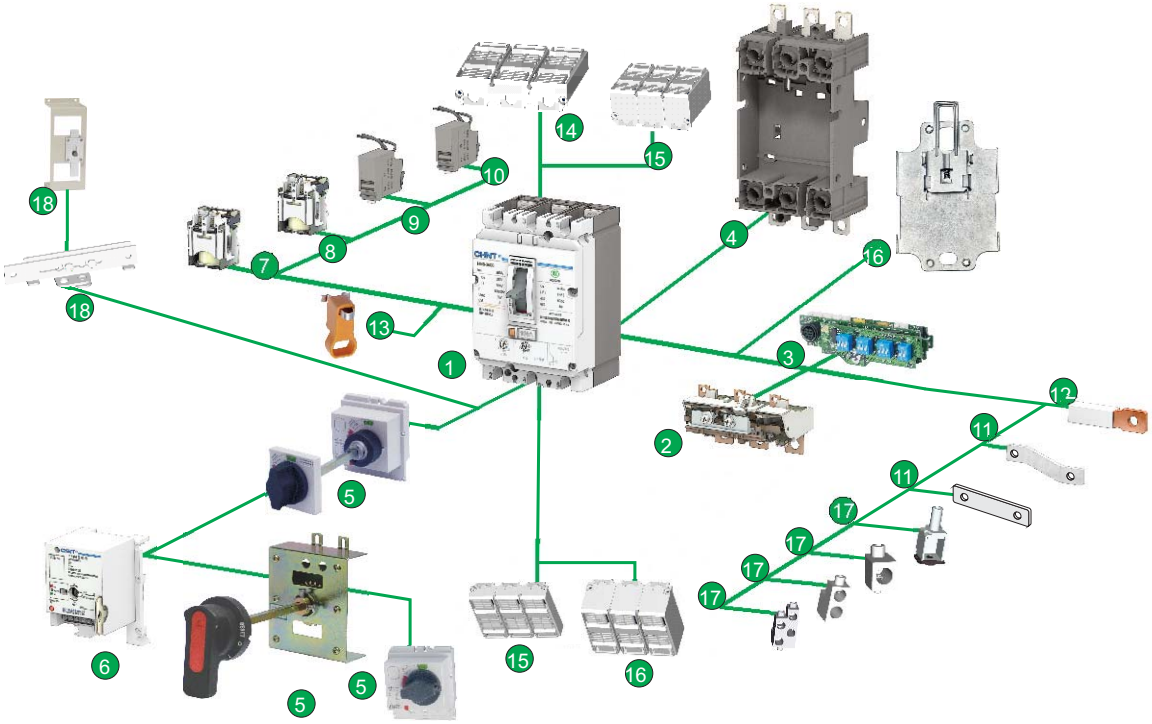


1 MCCB (fixed type)	5 Shunt release	9 Extended manual operation handle	13 Front connection plate
2 Plug-in type	6 Alarm contact	10 Mechanical interlock	
3 Rear connection	7 Auxiliary contact	11 Cage clamp terminal	
4 Under-voltage release	8 Motor-driven operation mechanism	12 Short terminal cover	

NM8

Adjustable type MCCB
NM8

- Rated current from 16 to 1250A
- Thermal-magnetic type / Electronic type / Magnetic-only type
- Adjustable thermal & adjustable magnetic trip
- 2P 3P 4P available
- AC/DC applicable
- 5-class breaking capacity from 25kA to 150kA
- Ics=100%Icu(In≤630A), Ics=50%Icu(In>630A)
- Circuit breakers and auxiliaries comply with the following international standard:
  IEC/EN 60947-1: general rules
  IEC/EN 60947-2: circuit breakers
  IEC/EN 60947-3: switches, disconnectors, switch-disconnectors, etc.
  IEC/EN 60947-4: contactor and motor starters
  IEC/EN 60947-5.1 and following: control circuit devices and switching elements, automatic control components. NM8 also comply with the specifications of the marine classification companies.
- Certified for operation in pollution-degree III environments as defined by IEC standard 60947 (industrial environments).
- Wide temperature range from -40℃ to +70℃
- A complete system of add-on modules for NM8

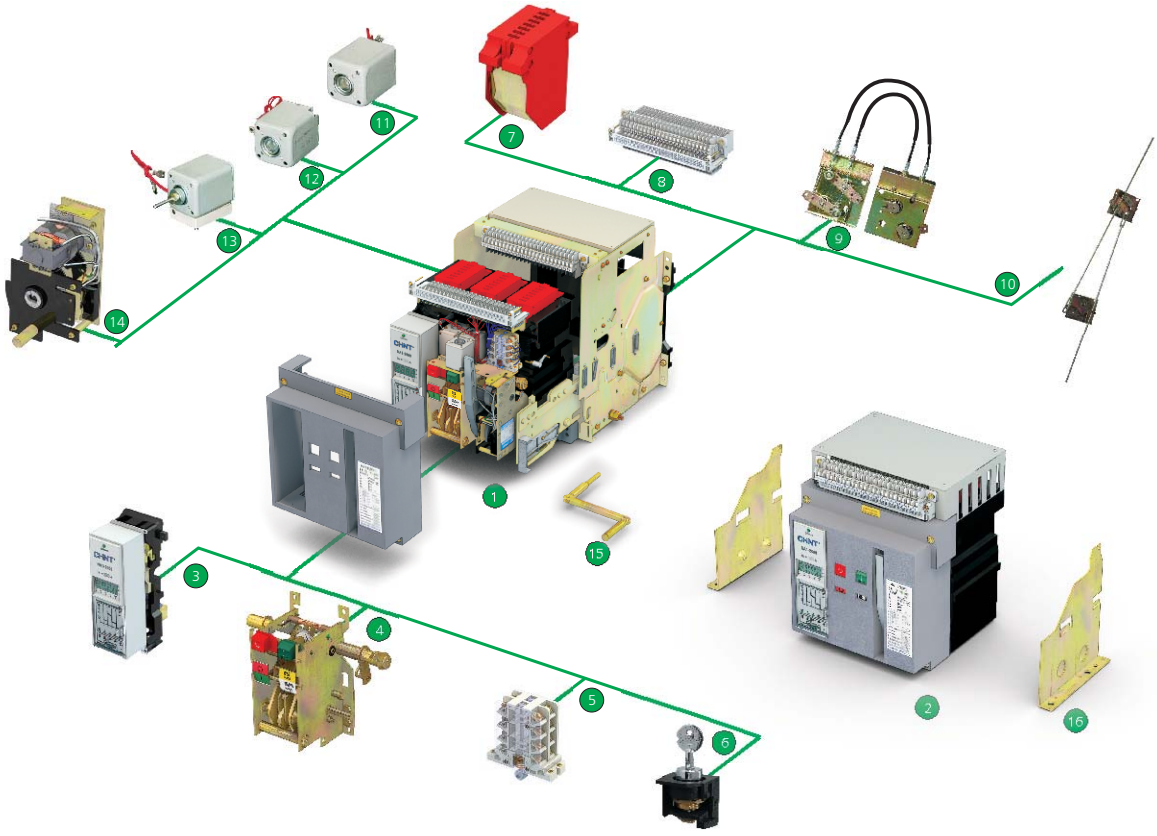


1 Body	6 Motor driven operating mechanism	11 Front connection plate	16 DIN rail adaptor
2 Thermo magnetic release	7 Under-voltage release	12 Rear connection plate	17 Cage clamp terminal
3 Electronic release	8 Shunt release	13 Locking system(padlock)	18 Mechanical interlock
4 Plug-in base	9 Alarm contact	14 Short terminal cover	
5 Rotary manual operating handle	10 Auxiliary contact	15 Extended terminal cover	

NA1

ACB
NA1

- Rated current from 200 to 6300A
- Modulized mechanical part and accessories
- The terminal of the control circuit on the front enables easy handling
- Minimized arc space
- 3P 4P available
- Max. breaking capacity up to 120kA@400V
- Drawout type / fixed type
- Power supplied from either top or bottom does no reduction in performance
- Circuit breakers comply with IEC/EN 60947-2
- Certified for operation in pollution-degree III environments as defined by IEC standard 60947 (industrial environments).
- Temperature range from -5℃ to +65℃
- A complete system of add-on modules for NA1



1 Drawout type	5 Auxiliary contact	9 Wire-cable mechanical interlock	13 Under-voltage release
2 Fixed type	6 Locking-device	10 Connecting-rod type mechanical interlock	14 Motor-driven energy-storage mechanism
3 Intelligent controller	7 Arcing chamber	11 Shunt release	15 Rotary handle
4 Operating mechanism	8 Secondary connecting part	12 Closing electromagnet	16 Fixed plate

NC6 Mini Contactor

NC6

- The NC6 Series Mini Contactor is used in remote motor (≤4kW) control application.
- Rating up to 690V, 9A (AC3). ----- (06A, 09A)
- Standard: IEC/EN 60947-4-1
- Two kinds of mounting available: Normal type (without pins); Pin type (with pins)
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 24V, 36V, 48V, 110V, 127V, 220V, 230V, 380V, 400V;
- Auxiliary contacts: NCF6-20 & NCF6-02 (2NO or 2NC)
  NCF6-13 & NCF6-31 (1NO & 3NC or 3NO & 1NC)
  NCF6-40 & NCF6-04 (4NO or 4NC)
- Assemble with Thermal overload Relay NR2-11.5 to be a DOL Starter.

NC1 Contactor


NC1

- The NC1 Series Contactor is used in remote motor (≤45kW) control application.
- Rating up to 690V, 95A (AC3). ----- (09A, 12A, 18A, 25A, 32A, 40A, 50A, 65A, 80A, 95A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 24V, 36V, 48V, 110V, 127V, 220V, 230V, 380V, 415V, 440V, 480V, 500V, 600V, 660V
- Coil voltage (DC): 24V, 36V, 48V, 110V, 220;
- Side mounting auxiliary contacts: NCF1-11C (1NO & 1NC)
- Top mounting auxiliary contacts: F4-20 & F4-02 (2NO & 2NC)
  F4-13 &F4-31 (1NO & 3NC or 3NO & 1NC)
  F4-40 & F4-04 (4NO or 4NC)
- Top mounting time delay block: F5-T (making time delay);
  F5-D (breaking time delay)
- Assemble with Thermal overload Relay NR2 (or NRE8) to be a DOL Starter.
- Assemble with another one & F4 & F5 & NR2 (or NRE8) to be a Star-Delta Starter called QJX2;
- Assemble with a current limiting block to be a Capacitor Contactor.
- Assemble with another one to be a reversing contactor.

NC2 Contactor

NC2

- The NC2 Series Contactor is used in remote motor (≤450kW) control application.
- Rating up to 690V, 630A (AC3).
  ----- (115A, 150A, 185A, 225A, 265A, 330A, 400A, 500A, 630A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 110V, 127V, 220V, 230V, 380V, 400V;
- Top mounting auxiliary contacts: F4-20 & F4-02 (2NO & 2NC)
  F4-13 & F4-31 (1NO & 3NC or 3NO & 1NC)
  F4-40 & F4-04 (4NO or 4NC)
- Top mounting time delay block: F5-T (making time delay);
  F5-D (breaking time delay)
- Assemble with Thermal overload Relay NR2 to be a DOL Starter.
- Assemble with another one to be a reversing contactor.

NC1-N

NC1-N Changeover & Reversal Contactor

- The NC1-N Series Changeover & Reversal Contactor is used in remote motor (≤45kW) control application.
- Rating up to 690V, 95A (AC3). ----- (09A, 12A, 18A, 25A, 32A, 40A, 50A, 65A, 80A, 95A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 24V, 36V, 48V, 110V, 127V, 220V, 230V, 380V, 415V, 440V, 480V, 500V, 600V, 660V

NC2-N

NC2-N Changeover & Reversal Contactor

- The NC2-N Series Changeover & Reversal Contactor is used in remote motor (≤45kW) control application.
- Rating up to 690V, 630A (AC3). ----- (115A, 150A, 185A, 225A, 265A, 330A, 400A, 500A, 630A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 110V, 127V, 220V, 230V, 380V, 400V

CJ19

CJ19 Capacitor Switching Contactor

- The CJ19 Series Contactor is used in remote capacitor (≤50kvar) switch application.
- Rating up to 400V, 95A (AC3). ----- (25A, 32A, 43A, 63A, 95A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 24V, 36V, 48V, 110V, 127V, 220V, 230V, 380V, 415V, 440V, 480V, 500V, 600V, 660V

  CJ19-25: Rating current 25A (AC3/400V); Power of controlled capacitor≤12kvar.
  CJ19-32: Rating current 32A (AC3/400V);, Power of controlled capacitor≤18kvar.
  CJ19-43: Rating current 43A (AC3/400V); Power of controlled capacitor≤20kvar.
  CJ19-63: Rating current 63A (AC3/400V); Power of controlled capacitor≤30kvar.
  CJ19-95: Rating current 95A (AC3/400V); Power of controlled capacitor≤50kvar.

NCK2

NCK2 DP Contactor

- The NCK2 Series DP Contactor is used in remote motor of air-conditioner (<15HP-600V) control application.
- Rating up to 600V, 40A (AC7a). ----- (30A, 40A)
- Standard: IEC/EN 60947-4-1
- Poles: 3P
- Ambient temp: -5~40 ℃
- Coil voltage (AC): 24V, 110/120V, 220/240V.

NCK3

NCK3 DP Contactor

- The NCK3 Series DP Contactor is used in remote motor of air-conditioner (<60HP) control application.
- Rating up to 690V, 90A (AC3). ----- (25A, 30A, 32A, 40A, 50A, 60A, 75A, 90A)
- Standard: IEC/EN 60947-4-1
- Poles: 1P, 1P+N, 2P, 3P
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 24V, 110/120V, 220/240V.

NC9

NC9 Vacuum Contactor

- The NC9 Series Contactor is used in remote motor (≤850kW) control application.
- Rating up to 690V, 630A (AC3). ----- (160A, 250A, 400A, 630A, 800A, 1000A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 110V, 220/230V, 380/400V.

NRE8

NRE8 Electronic Overload Relay

- The NRE8 Series Electronic Overload Relay is used in remote motor control application for overload function.
- Rating up to 690V, 630A (AC3). ----- (25A, 40A, 100A, 200A, 630A)
- Standard: IEC/EN 60947-5-1
- Ambient temp: -5 ~ 40 ℃
- Assemble with Contactor NC1, NC2 to be a DOL Starter.

NR2

NR2 Thermal Overload Relay

- The NR2 Series Thermal Overload Relay is used in remote motor control application for overload function.
- Rating up to 690V, 630A (AC3). ----- (11.5A, 25A, 36A, 93A, 150A, 200A, 630A)
- Standard: IEC/EN 60947-5-1
- Ambient temp: -5 ~ 40 ℃
- Assemble with Contactor NC1, NC2 to be a DOL Starter.

NS2

NS2 Manual Motor Starter

- The NS2 Series Manual Motor Starter is used in remote motor control application for overload, short circuit & phase failure.
- Rating up to 690V, 80A(AC3). ----- (0.1~1.16A, 0.16~0.25A, 0.25~0.4A, 0.4~0.63A, 0.63~1A, 1~1.6A, 1.6~2.5A, 2.5~4A, 4~6.3A, 6~10A, 9~14A, 13~18A, 17~23A, 20~25A, 16~25A, 25~40A, 40~63A, 56~80A)
- Standard: IEC/EN 60947-5-1
- Ambient temp: -5 ~ 40 ℃
- Side mounting auxiliary contacts: NS2-AU20(2NO)
  NS2-AU11(1NO & 1NC)
- Front mounting auxiliary contacts: NS2-AE20(2NO)
  NS2-AE11(1NO & 1NC)
- Under-voltage release: NS2-UV110, NS2-UV220, NS2-UV380;
- Shunt release: NS2-SH110, NS2-SH220, NS2-SH380;
- Fault signal contact & instantaneous auxiliary contact: NS2-FA0110 (1NC &1NO)
  NS2-FA0101 (1NC & 1NC)
  NS2-FA1010 (1NO & 1NO)
  NS2-FA1001 (1NO & 1NC)

NQ2

NQ2 DOL Motor Starter

- The NQ2 Series DOL Motor Starter is used in remote motor (≤15kW) start & control application.
- Rating up to 400V, 32A (AC3).----- (12A, 18A, 25A, 32A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 110V, 127V, 220V, 230V, 380V, 400V;

NQ2-15/1(P, N, NB): Rating current 12A (AC3),
Motor power (start & control)≤5.5kW
NQ2-15/2(P, N, NB): Rating current 18A (AC3),
Motor power (start & control)≤7.5kW
NQ2-15/3(P, N, NB): Rating current 25A (AC3),
Motor power (start & control)≤11kW
NQ2-15/4(P, N, NB): Rating current 32A (AC3),
Motor power (start & control)≤15kW
Note: P (with pushbutton), N (reversing), NB (reversing but without thermal relay)

NQ3

NQ3 DOL Motor Starter

- The NQ3 Series DOL Motor Starter is used in remote motor (<11kW) start & control application.
- Rating up to 400V, 22A (AC3). ----- (12A, 32A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 110V, 127V, 220V, 230V, 380V, 400V;

NQ2-5.5P: Rating current 12A (AC3),
Motor power (start & control) < 5.5kW (400V)

NQ2-11P: Rating current 32A (AC3),
Motor power (start & control) < 11kW (400V)

Note: P (with pushbutton)

QJX2

QJX2 Star-delta Motor Starer

- The QJX2 Series Star-delta Motor Starter is used in remote motor (≤80kW) start & control application.
- Rating up to 400V, 95A (AC3).----- (9A, 12A, 18A, 25A, 32A, 40A, 50A, 65A, 80A, 95A)
- Standard: IEC/EN 60947-4-1
- Ambient temp: -5 ~ 40 ℃
- Coil voltage (AC): 110V, 127V, 220V, 230V, 380V, 400V;

QJX2-09: Rated setting current 7~10A(AC3),
Motor power (start & control)≤7.5kW (@400V)
QJX2-12: Rated setting current 9~13A(AC3),
Motor power (start & control)≤10kW (@400V)
QJX2-18: Rated setting current 12~18A(AC3),
Motor power (start & control)≤15kW (@400V)
QJX2-25: Rated setting current 17~25A(AC3),
Motor power (start & control)≤18.5kW (@400V)
QJX2-32: Rated setting current 23~32A(AC3),
Motor power (start & control)≤25kW (@400V)
QJX2-40: Rated setting current 30~40A(AC3),
Motor power (start & control)≤33kW (@400V)
QJX2-50: Rated setting current 37~50A(AC3),
Motor power (start & control)≤45kW (@400V)
QJX2-65: Rated setting current 48~65A(AC3),
Motor power (start & control)≤55kW (@400V)
QJX2-80: Rated setting current 63~80A(AC3),
Motor power (start & control)≤63kW (@400V)
QJX2-95: Rated setting current 80~93A(AC3),
Motor power (start & control)≤80kW (@400V)

Contactor

Time-delay block

Auxiliary
contact assembly

Star-delta
Motor Starter

NP2 Pilot Device

NP2

- The NP2 Series Pilot Device is used in remote circuit control and indication.
- Rating up to 230V, 4.5A (AC-15) or 110V, 0.6A (DC-13)
- Standard: IEC/EN 60947-5-1
- IP40;
- Drill plan: Φ22mm
- Electrical endurance: 500×10³ circles for Flush & mushroom head type;
  100×10³ circles for Flush & mushroom other head type;
- Ambient temp: -5 ~ 40 ℃
- Contact blocks: 2pcs (max);
- Illuminated: Either illuminated or Non-illuminated available.
- Button: Either Momentary or Maintained type available
- Holder: Either metal or plastic available
- Head available: Flush head, Mushroom head, selector switch, double-head switch, indicator
- Head colors available: Red Black Green Blue Yellow.

NP8 Pilot Device

NP8

- The NP8 Series Pilot Device is used in remote circuit control and indication.
- Rating up to 415V, 1.9A (AC-15) or 250V, 0.27A (DC-13)
- Standard: IEC/EN 60947-5-1
- IP54;
- Drill plan: Φ22mmm
- Electrical endurance: 100 ×10³ circles for Flush & mushroom head type;
  1000 ×10³ circles for Flush & mushroom other head type;
- Ambient temp: -5 ~ 40 ℃
- Contact blocks: 3pcs (max);
- Illuminated: Either illuminated or Non-illuminated available.
- Button: Either Momentary or Maintained type available
- Holder: Plastic available
- Head available: Flush head, Mushroom head, selector switch, double-head switch, indicator
- Head colors available: Red Black Green Blue Yellow.

NPH1 Pushbutton Enclosure

NPH1

- The NPH1 Series Pushbutton enclosure is designed for NP8 Series Pushbutton.
- Rating up to 400V or DC230V;
- Standard: IEC/EN 60947-5-1
- IP54/40;
- Electrical endurance: 500×10³ circles for Flush & mushroom head type;
  1000 ×10³ circles for Flush & mushroom other head type;
- Ambient temp: -5 ~ 40 ℃
- Electrical endurance: 100×10³ circles for Flush & mushroom head type;
  1000×10³ circles for Flush & mushroom other head type.

NP3 Pendant Station

NP3

- The NP3 Series Pilot Device is used in remote circuit control.
- Rating up to 400V (AC) or 230V (DC)
- Standard: IEC/EN 60947-5-1
- IP65;
- Electrical endurance: 500 $\times 10^3$ circles for Flush & mushroom head type;
- Ambient temp: -5~40 ℃
- Button: Momentary type available

NP3-1 (↑, ↓);
NP3-1A (ON/OFF ,↑, ↓)
NP3-1K (ON/Emergency Stop ,↑, ↓);
NP3-2 (↑, ↓, ←, →);
NP3-2A (ON/OFF ,↑, ↓ ←, →)
NP3-2K (ON,/Emergency Stop, ↑, ↓ ←, →);
NP3-3 (↑, ↓ ,←, →, ↙, ↗);
NP3-3A (ON/OFF , ↑, ↓ ←, →, ↙,↗)
NP3-3K (ON/Emergency Stop,↑, ↓ ,←,→, ↙, ↗);
NP3-4 (↑, ↓ ,←, →, ↙, ↗, ∩ , ∪);
NP3-4A (ON/OFF, ↑,↓←,→, ↙, ↗, ∩, ∪)
NP3-4K (ON/Emergency Stop ,↑, ↓,
←, →, ↙, ↗, ∩, ∪);
NP3-4 (↑, ↓, ←, →, ↙, ↗, ∩, ∪, ∽, ≦)

↑	Up	↓	Down
←	Left	→	Right
↙	Front	↗	Back
∩	Clock-wise	U	Anti-clock wise
∽	Slow	≦	Fast

NP6 Pilot Device

NP6

- The NP6 Series Pilot Device is used in remote circuit control and indication.
- Rating up to 110V, 0.7A (AC-15) or 24V, 0.7A (DC-13)
- Standard: IEC/EN 60947-5-1
- IP40;
- Drill plan: Φ16mm
- Electrical endurance: 500$\times 10^3$ circles for Flush & mushroom head type;
  100$\times 10^3$ circles for Flush & mushroom other head type;
- Ambient temp: -5 ~ 40 ℃
- Button: Either Momentary or Maintained type available
- Head available: Flush head, Mushroom head, selector switch, indicator
- Head colors available: Red Black Green Blue Yellow.

ND16 Indicator

ND16

- The ND16 Series Indicator is used in remote indication.
- Rating up to 400V (AC/DC)
- Standard: IEC/EN 60947-5-1
- IP65;
- Drill plan: Φ22mm
- Electrical endurance: 30×10^3 Hours
- Ambient temp: -5～40 ℃
- Head colors available: Red Black Green Blue Yellow;

  ND16-22A(S)/2: For AC/DC application, Flat-platform lampshade;
  ND16-22A(S)/4: For AC application, Flat-platform lampshade;
  ND16-22B(S)/2: For AC/DC application, Flat-round platform lampshade;
  ND16-22B(S)/4: For AC application, Flat-round platform lampshade;
  ND16-22C(S)/2: For AC/DC application, Arc-surface ripple lampshade;
  ND16-22C(S)/4: For AC application, Arc-surface ripple lampshade;
  ND16-22D(S)/2: For AC/DC application, Arc-surface round lampshade;
  ND16-22D(S)/4: For AC application, Arc-surface round lampshade;
  Note: (S) for compact type.

NFM1 Buzzer

NFM1

- The NFM1 Series Buzzer is used in remote indication.
- Rating up to 400V (AC)
- Standard: IEC/EN 60947-5-1
- IP20;
- Drill plan: Φ22mm
- Ambient temp: -5～40 ℃
- Rated operational voltage: AC110V, 230V, 400V; AC/DC: 24V,36V,48V,110V;
- 4 types of sound available: Interrupted type, Interrupted & flush type,
- Continuous type, Continuous & lit type;

  NFM1-22/F: Interrupted type;
  NFM1-22/FS: Interrupted & flush type;
  NFM1-22/L: Continuous type;
  NFM1-22/FC: Continuous & lit type.

NIO1

NIO1 Inverter

- Standard: IEC/EN 61800-2 and IEC/EN 61800-3
- With the application of space vector PWM (SVPWM) and dead zone compensation technique;
- Equipped with RS232 and 485 communication interfaces;
- It could be widely applied to electric drive and automatic control fields, including metallurgy, petroleum, mechanism, food processing, spinning, chemical industry, metalwork, paper making, printing, packing, fan, and water pump, etc.

NIOG1S

NIOG1S Energy-saving Inverter Switchgear for Constant Pressure Water Supply

- The product is designed and produced on the basis of water consumption in practical working conditions of high-rise buildings and dwelling houses in communities.
- The product controls the rotate speed of the water using built-in PID adjuster of the transducer by collecting water consumption (pressure).
- This forms closed loop control to make consumption (pressure).
- This forms closed loop control to make automatic adjusting and to supply water at constant pressure.
- Precision of pressure setting: 0.01MPa;
- Pump delivery: (10～1000)m /h;
- Pump lift: 12.5m～225m.

NIOG1K

NIOG1K Energy-saving Inverter Switchgear Cabinet of Center Air-conditioning

- Closed loop control is built by adopting timing function of the transducer and PI function.
- Setting temperature of inlet and outlet water according to permitted requirements of air condition system.
- Output power changes by the change of ambient temperature.

NIOG1Z

NIOG1Z Inverter Switchgear for Energy Saving of Casting Machine

- By adapting inverter to form closed loop control, rotate speed of the oil pump can be adjusted automatically by inspecting the signal of pressure and flow of the plastic casting machine and the state of idle operation of the motor in heat insulation mode can be changed to achieve the effect of energy saving.

NIOG1Y

NIOG1Y Energy-saving Inverter of Oil Field Pumping Unit

- The product can reduce energy wastage of K. E. exchange of running gear according to periodical change of loading operating condition of beam-pumping unit using inverter control and adopting mode of up rapidness and low slowness to improve the function transfer efficiency of the equipment and device to meet the object of energy saving.

NIOG1☐

NIOG1☐ Industrial Control Inverter Switchgear

- NIOG1☐ series industrial control transducer cabinet is designed and manufactured for convenience to the user by adding other control units on the basis of transducer.
- The product is mainly equipped to occasions with motor timing in enterprises and works like spinning, paper making, metallurgy, mechanism, oil field and coal mine and etc.
- Power supply: three-phase AC 400V±10%, 50Hz;
- Capacity: 5.5kW~160kW;
- Range of output frequency: 1Hz~400Hz,
- Set maximum frequency between 25Hz~400Hz at random

NJR1

NJR1 Soft Starter

- NJR1 series soft-starter is used for controlling motor automatically.
- It adopts intelligentized digital control mode and use SCMC (single chip Microcomputer) techniques as the core to control silicon controlled module. It is suitable for all kind of load drived by squirrel cage asynchronous motor.
- NJR1 can make motor start softly in any conditions, protect the drive system, cut down the damage to the power line caused by start current and ensure the motor start-up stably.
- Initial current: 1~4.5 In
- Ramp up time: 1~240s
- Ramp down time: 1~120s

NJR1D

NJR1D Soft Starter (Control Unit)

- NJR1D soft starter device adopts 16 bits MPU as the core to control high power controllable silicon module, and to realize soft starting and soft stopping of three-phase AC asynchronous motor (Squirrel cage motor), In addition, it supplies a few optional protection function like overload protection, phase-failure protection, over current of process protection, under current of process protection, over-voltage, under-voltage.
- Initial current: 1~4.5 In
- Ramp up time: 1~240s
- Ramp down time: 1~120s

NJR1

NJR1 Soft Start Control Switchgear (One soft starter starts multi motors)

- NJR1 soft start control switchgear (one soft starter starts multi motors) is designed and produced for lowering production cost, device investment, and etticient utilization of the space. It is designed on side of controlled device or in the switching room, to realize field control or remote control.
- Initial current: 1～4.5 In
- Ramp up time: 1～240s
- Ramp down time: 1～120s

NJR1

NJR1 Soft Start Control Switchgear of Motor (One motor operation, the other back up)

- NJR1 soft start control switchgear of motor (one motor operation, the other reserve) is applied to the occasion that one motor is running, another motor is reserved (The reserve motor isoptional), when fault occurs on any device that cause stopping operation, the other reserved will run automatically, so it can make sure the reserve device can work under the special condition.
- Initial current: 1～4.5 In
- Ramp up time: 1～240s
- Ramp down time: 1～120s

NJR1

NJR1 Soft Start Control Switchgear of Motor (Two motors operation, another back up)

- NJR1 soft start control switchgear of motor is applied in the occasion that two motors are running, another motor is back up (The reserve motor can be chosen), when any one device occurs fault that causesstopping operating, another reserved will run automatically, so it can make sure the reserve device can work in time under the special condition.
- Initial current: 1～4.5 In
- Ramp up time: 1～240s
- Ramp down time: 1～120s

NJX-13FW Miniature Power Relay

NJX-13FW

- 3A, 5A, 10A switching capacity
- Max. switching voltage VAC 250, VDC 125
- Fully sealed
- Contact arrangement:
  2Z=2C(10A); 2ZS=2C(5A);
  3ZS=3C; 4ZS=4C

JQC-3F Sub-miniature Power Relay

JQC-3F

- 7A,10A switching current
- Max. switching voltage VAC 250, VDC 30
- Sealed type
- Dimension:19mm×15.5mm×15.5mm

JQX-10F Miniature Power Relay

JQX-10F

- 10A switching current
- Max. switching voltage VAC 250, VDC 125
- Various sockets available
- Wide range of coil ratings

JQX-13F Miniature Power Relay

JQX-13F

- 10A switching capacity
- Max. switching voltage VAC 250, VDC 125
- Choice of PCB and plug-in types
- Various sockets available;
- With indicator to be selected;
- Wide range of coil ratings.

JZX-22F Miniature Power Relay

JZX-22F

- 3A, 5A, 10A switching capacity
- Max. switching voltage VAC 250, VDC 125
- Various sockets available
- With indicator to be selected
- Full range of AC and DC coil
- Contact configuration: 2P=2C;3P=3C;4P=4C

JTX Miniature Power Relay

JTX

- 10A switching current
- Various sockets available
- Full range of AC and DC coil
- Contact configuration: 2C;3C

MK Miniature Power Relay

MK

- 10A switching current
- Max. switching voltage VAC 250, VDC 125
- With indicator to be selected
- Full range of AC and DC coil
- Contact configuration: 2C; 3C


BZMJ

BZMJ Series Self-healing Shunt Capacitor

- Electric ratings: ≤AC1000V;
- Application: For improvement of power factor and power quality;
- Standards: IEC/EN 60831-1:1996
- Rated capacity: 1～60kvar
- Capacity error: -5～+10%
- Filling with innoxious substance


NWC1

NWC1 Series Self-healing Shunt Capacitor

- Electric ratings: ≤AC1000V;
- Application: For improvement of power factor and power quality;
- Standards: IEC/EN 60831-1: 1996
- Rated capacity: 5～40kvar
- Capacity error: -5～+10%;
- Filling with innoxious substance


NWC5

NWC5 Series Self-healing Shunt Capacitor

- Electric ratings: ≤AC1000V;
- Application: Newly developed energy-saving product for improvement of power factor and power quality;
- Standards: IEC/EN 60831-1: 1996
- Rated capacity: 10～25kvar
- Capacity error: -5～+10%
- Filling with innoxious substance


JKF8

JKF8 Intelligent Low-voltage Reactive Power Compensation Controller

- JKF8 Intelligent Low-Voltage Reactive Power Compensation Controller (hereinafter referred to as "controller") is a dedicated controller which can make compensations for the reactive power of low voltage distribution system.
- Operation voltage: 400±10%

NDK

NDK Control Transformer

- Electric ratings: AC 50Hz/60Hz;
- Application: for control power supply of apparatus, partial illumination and indicator light of machine tool and other mechanic equipments.
- Standards: IEC/EN 61558.
- Maximum capacity: 5kVA

JBK5

JBK5 Series Control Transformer

- Application: JBK5 series control transformers are suitable for AC circuit of 50Hz/60Hz, used as control sources for various mechanical equipment and general electrical appliances, and used as power supplies for work lighting and signal lamps.
- Standards: IEC/EN 61558.
- Maximum capacity: 2500VA

JBK6

JBK6 Series Control Transformer

- Application: JBK6 series control transformers are suitable for AC circuit of 50Hz/60Hz, used as control sources for various mechanical equipment and general electrical appliances, and used as power supplies for work lighting and signal lamps.
- Standards: IEC/EN 61558.
- Maximum capacity: 3000VA

BH-0.66 I

BH-0.66 I Current Transformer

- For busbar and cable
- To be used in combination, with measurement instruments: ammeters, watt-hour meters, measurement units, control relays, etc.
- Max. voltage rating Ue: 660 V
- Secondary current Isn: 5A
- Degree of protection: IP20
- Safety factor (fs):10
- Standards: IEC/EN 60044-1

BH-0.66 II Current Transformer

BH-0.66 II

- For busbar
- To be used in combination with measurement instruments: ammeters, watt-hour meters, measurement units, control relays, etc.
- Max. voltage rating Ue: 660 V
- Secondary current Isn: 5A
- Degree of protection: IP20
- Safety factor (fs): 10
- Standards: IEC/EN 60044-1

BH-0.66III Current Transformer

BH-0.66III

- For busbar and cable
- To be used in combination with measurement instruments: ammeters, watt-hour meters, measurement units, control relays, etc.
- Max. voltage rating Ue: 660 V
- Secondary current Isn: 5A
- Degree of protection: IP20
- Safety factor (fs): 10
- Standards: IEC/EN 60044-1

RCT Current Transformer

RCT

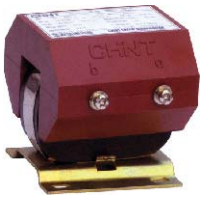
- To be used in combination with measurement instruments: ammeters, watt-hour meters, measurement units, control relays, etc.
- Max. voltage rating Ue: 660 V
- Secondary current Isn: 5A
- Degree of protection: IP20
- Safety factor (fs): 10
- Standards: IEC/EN 60044-1

MES Current Transformer

MES

- To be used in combination with measurement instruments: ammeters, watt-hour meters, measurement units, control relays, etc.
- Max. voltage rating Ue: 660 V
- Secondary current Isn: 5A
- Degree of protection: IP20
- Safety factor (fs): 10
- Standards: IEC/EN 60044-1

JDZ Potential Transformer



JDZ

- Adopting the value of voltage on the primary to the characteristics of metering or protection devices by supplying a secondary voltage that is proportional and lower;
- Used in combination with measurement instruments: ammeters, watt-hour meters, measurement units, control relays, etc.
- Max. voltage rating Ue: 1.14kV
- Standards: IEC/EN 60044-2

JDG4-0.5 Potential Transformer

JDG4-0.5

- Adopting the value of voltage on the primary to the characteristics of metering or protection devices by supplying a secondary voltage that is proportional and lower;
- Used in combination with measurement instruments: ammeters, watt-hour meters, measurement units, control relays, etc.
- Max. voltage rating Ue: 0.5kV
- Standards: IEC/EN 60044-2

TDGC2, TDGC2J Single-phase Contact Voltage Regulator
TSGC2, TSGC2J Three-phase Contact Voltage Regulator

TDGC2, TDGC2J

TSGC2, TSGC2J

- TDGC2, TDGC2J, TSGC2, TSGC2J type contact voltage regulators are of dry type and self-cooling automatic coupling mode, can be widely applied to industries (metallurgy, chemical, instruments and meters, electromechanical manufacturing, light industry, etc.), scientific experiments, public facilities, household electrical appliances and so on to realize voltage regulation, temperature control, light adjustment, powercontrol, etc.
- Standards: IEC/EN 61558.
- Rated capacity: 0.2 KVA-60KVA
- Rated output current: 0.8A-80A

TND (SVC) Single-phase Automatic Voltage Regulator
TNS (SVC) Three-phase Automatic Voltage Regulator

TND/TNS(SVC)

- TND/TNS(SVC) series full-automatic AC voltage regulator collects sample and amplifies it and automaticly control circuit, and drives the servomotor to rotate the rocker arm and brush in required direction, and finally adjusts the output voltage to the rated value, finally reaches the aim of stabilizing the voltage.
- Elegant appearance, compact structure, light weight, low power waste, complete protection functions, stable and reliable, low output waveform distortion and so on.
- Rated capacity: 0.5 kVA~60kVA

TND2 Series Single-phase Automatic Voltage Regulator

TND2

- When the main voltage is unstable or when the load changes, the AVR will automatically sample and amplify the control circuit.
- This type of voltage stabilizer has advantages of elegant appearance, compact structure, thin thickness, light weight, low power waste, stable and reliable, low output waveform distortion and so on.
- Rated capacity: 0.5 kVA~5kVA

DBW/SBW

DBW Single-phase Automatic Voltage Regulator
SBW Three-phase Automatic Voltage Regulator

- Used in the application requiring stable voltage, such as telecommunication, broadcasting & TV, elevator, silicone controlled apparatus, numerical control machine tool, and various production lines, etc.
- Rated capacity: 20 kVA~1600kVA

TSD

TSD Wall-hung Type AC Automatic Voltage Regulator

- TSD series wall-mounted AC voltage regulator supply power for equipment such as computers, duplicating machines, industrial precision equipment, medical apparatuses, household electrical appliances, etc.
- Rated capacity: 3, 5, 7 kVA

HH15-QA/QP

HH15-QA/QP Switch Disconnector

- Mainly used in the distributing and motor circuit which has high short-circuit current, and acted as main switch or master switch infrequently operated by hand, it is particularly suitable in the relative high class with drawable low voltage complete equipment.
- They provide safety isolation and protection against overcurrent for any low voltage electrical circuit.
- Standard: IEC/EN 60947-3
- Rated current: 125～3150A

NH40

NH40 Switch Disconnector

- NH40 series switch-disconnector is applicable for AC 50Hz, rated voltage AC 690V and below, DC 440V and below, rated current up to 3150A.
- It can be applied for manually infrequent making & breaking and disconnecting of the circuit. Products with Ith under 1000A can be used as load break switch. They provide safety isolation for any Low voltage circuit.
- Standard: IEC/EN60947-3.
- Rated current: 16～630A

HH15-QSA

HH15-QSA Fuse-switch Disconnector

- Mainly used in the distributing and motor circuit which has high short-circuit current, and acted as main switch or master switch infrequently operated by hand, it is particularly suitable in the relative high class with drawable low voltage complete equipment.
- They provide safety isolation and protection against overcurrent for any low voltage electrical circuit.
- Standard: IEC/EN 60947-3.
- Rated current: 63～630A

NHR17

NHR17 Fuse-switch Disconnector

- NHR17 series fuse-swith disconnector is a new product developed by our company.
- Rated insulation voltage up to 800V, rated operational voltage up to 690V.
- Rated operational current up to 630A, rated frequency 50Hz, in the distribution circuit and motor circuit which has high short-circuit current as the power switch, isolating switch, emergency switch as well as circuit protection, but normally it is not used to make and break a single motor directly.
- Standard: IEC/EN 60947-3.
- Rated current: 160～630A

NHR40

NHR40 Fuse-switch Disconnector

- NHR40 series switch-disconnector with fuse is applicable in the circuit of AC50Hz, rated voltage AC690V and below, DC440V and below, rated current up to 630A.
- NHR40 series are infrequently manually operated multipolar fuse combination switches,
- They break or switch off on load and provide safely isolation and protection against overcurrent for any voltage electrical circuit.
- Standard: IEC/EN 60947-3.
- Rated current: 160~630A

NHRT40

NHRT40 Vertical Fuse-switch Disconnector

- NHRT40 series are infrequently manually operated multipolar fuse combination switches,
- They break or switch off on load and provide safely isolation and protection against overcurrent for any voltage electrical circuit.
- Standard: IEC/EN 60947-3.
- Rated current: 160~630A

HH15/QAS/QPS/QSS

HH15/QAS/QPS/QSS Changeover Switch

- Mainly used in the distributing and motor circuit which has high short-circuit current, and acted as main switch or master switch infrequently operated by hand, it is particularly suitable in the relative high class with drawable low voltage complete equipment.
- They provide safety isolation and protection against overcurrent for any low voltage electrical circuit.
- Standard: IEC/EN 60947-3.
- Rated current: 125~3150A

NH40S

NH40S Changeover Switch

- Mainly used in the distributing and motor circuit which has high short-circuit current, and acted as main switch or master switch infrequently operated by hand, it is particularly suitable in the relative high class with drawable low voltage complete equipment.
- They provide safety isolation and protection against overcurrent for any low voltage electrical circuit.
- Standard: IEC/EN 60947-3.
- Rated current: 160~630A

NH40SZ

NH40SZ Automatic Changeover Switch

- NH40SZ automatic changeover switch disconnector can realize automatic and manual changeover between normal and back up power supply power, and stop power supplying to load when changeover process of power supply is carried out.
- The switch is applicable for two circuits power supply and in the condition which requires high quality power supply.
- Standard: IEC/EN 60947-3. 60947-6
- Rated current: 16~1600A

CHINT
More Than Power

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