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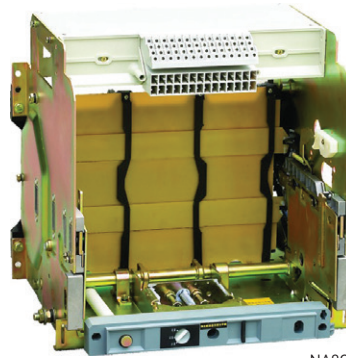
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NA8G AIR CIRCUIT BREAKER



NA8G



NA8G

Available options:

- 3 or 4 pole
- 50kA as standard – up to 120kA available from the factory
- Fixed or Withdrawable
- 200A - 6300A
- Basic or Intelligent controllers

Various optional extras:

- Shunt release
- Undervoltage release
- Closing coil
- Motor charging mechanism
- Mechanical interlocks

STANDARD CONTROLLER

- Single-phase earthing fault indicator
- Long time-delay overcurrent protection
- Short-circuit short time-delay overcurrent protection
- Short-circuit instantaneous overcurrent protection



ABC2

MULTI-FUNCTION CONTROLLER

Special order from the factory – ACB needs to be ordered with controller.

- Single-phase earthing fault indicator
- Long time-delay overcurrent protection
- Short-circuit short time-delay overcurrent protection
- Short-circuit instantaneous overcurrent protection
- Communication function: MODBUS
- Logging function: Alarms, faults, operations.
- Contact wear



ABC3

Project: 3MVA UPS Containerised System



Picture courtesy of Integrated Power Technology.

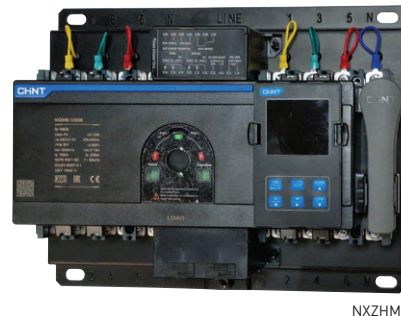
See NA8G data sheet for further details.

Please contact technical@chint.co.uk for further details.

NXZHM SERIES, PC CLASS AUTOMATIC TRANSFER SWITCH

NXZHM AUTOMATIC TRANSFER SWITCH

DESCRIPTION	POLE	PART NO.
63A 4P Class PC ATS	4P	NXZHM-125S/4B/63
100A 4P Class PC ATS	4P	NXZHM-125S/4B/100
160A 4P Class PC ATS	4P	NXZHM-160S/4B/160
250A 4P Class PC ATS	4P	NXZHM-250S/4B/250
400A 4P Class PC ATS	4P	NXZHM-400S/4B/400
630A 4P Class PC ATS	4P	NXZHM-630S/4B/630
800A 4P Class PC ATS	4P	NXZHM-800S/4B/800



NXZHM

- Display/keypad can be removed and mounted on door
- 63A to 630A stocked in the UK, 800A available from the factory
- Mains to Mains Changeover or Mains to Generator
- Automatic or Manual changeover
- Modbus communication for BMS

Changeover triggers:

- Phase failure
- Loss of voltage
- Undervoltage
- Overvoltage

CHINT SHIELD

CHINT EUROPE (UK) LTD

NXPB-400 ShieldStar Panel Boards

- 250A or 400A Incomer
- Wall Mountable
- Independently tested and Certified by World Class Test House to IEC/EN 61439-2
- Developed and Manufactured in the United Kingdom
- Complementary range of SP and TP&N Distribution Boards



CHINT SHIELD. Powering The World

Introducing Shield Robust Metal Panel Boards

PRODUCT OVERVIEW

Shield's latest addition to its UK manufactured products is the **3 Phase Panel Board**.

The panel board is at the heart of any power distribution system, whether acting as the main incoming board or as part of the sub distribution network.

Modern electrical distribution systems have more RCD protection, more metering and more control devices, with our new range this can all be incorporated into one such board.

The range now offers a variety of incoming devices and a greater choice of outgoing ways to provide more flexibility and choice to the user.



Easily Configured to Suit All Your Needs



Technical Information & Dimensions

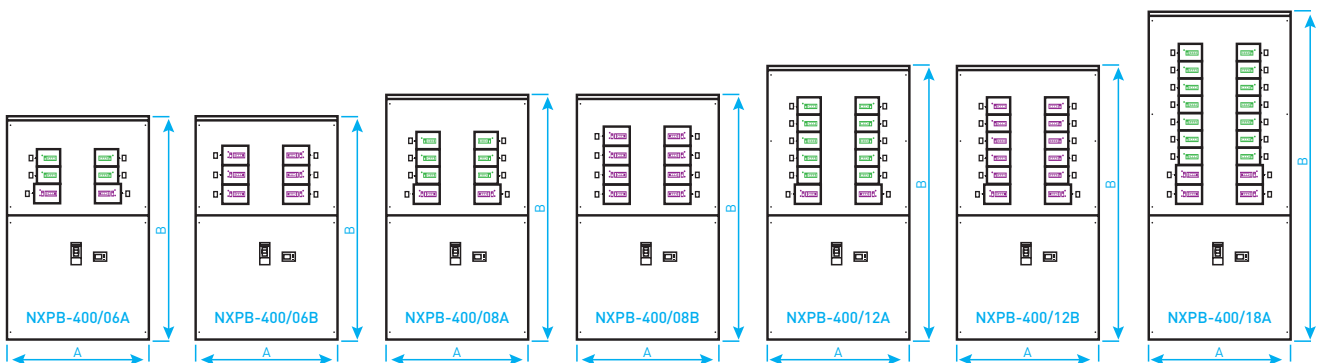
TECHNICAL INFORMATION

Standard	IEC/EN 61439-2:2011 (Second Edition)
Voltage Rating	415VAC 50/60Hz
Maximum Load	400A
Protection Degree	IP3X
Rated insulation voltage (Ui)	690V
Rated peak withstand current (Ipk)	105kA
Short Circuit Withstand	50kA/1s, Main Busbar
Colour	RAL 7035
Ways	6, 8, 12 & 18 TP ways
Incoming Device	250A/400A Isolator or MCCB option
Outgoing Device	Dependant on the board 250A Frame size – 100-200A TP MCCB 250A Frame size – 200A TP ELCB 250A Frame size – 20-100A SP MCCB 250A Frame size – 20-125A TP 125A Frame size – 16-125A TP

NXPB-400 DIMENSIONS (mm)

DESCRIPTION	PART NO.	NM8(L)-125S MCCB/ELCBs	NM8(L)-250S MCCB/ELCBs	A	B
6 Way 400A Panel Board	NXPB-400/06A	4	2	750	1200
6 Way 400A Panel Board	NXPB-400/06B	0	6	750	1200
8 Way 400A Panel Board	NXPB-400/08A	6	2	750	1310
8 Way 400A Panel Board	NXPB-400/08B	0	8	750	1310
12 Way 400A Panel Board	NXPB-400/12A	10	2	750	1465
12 Way 400A Panel Board	NXPB-400/12B	0	12	750	1465
18 Way 400A Panel Board	NXPB-400/18A	14	4	750	1760

(200A Max)



 = 125A Frame Size MCCB/ELCB

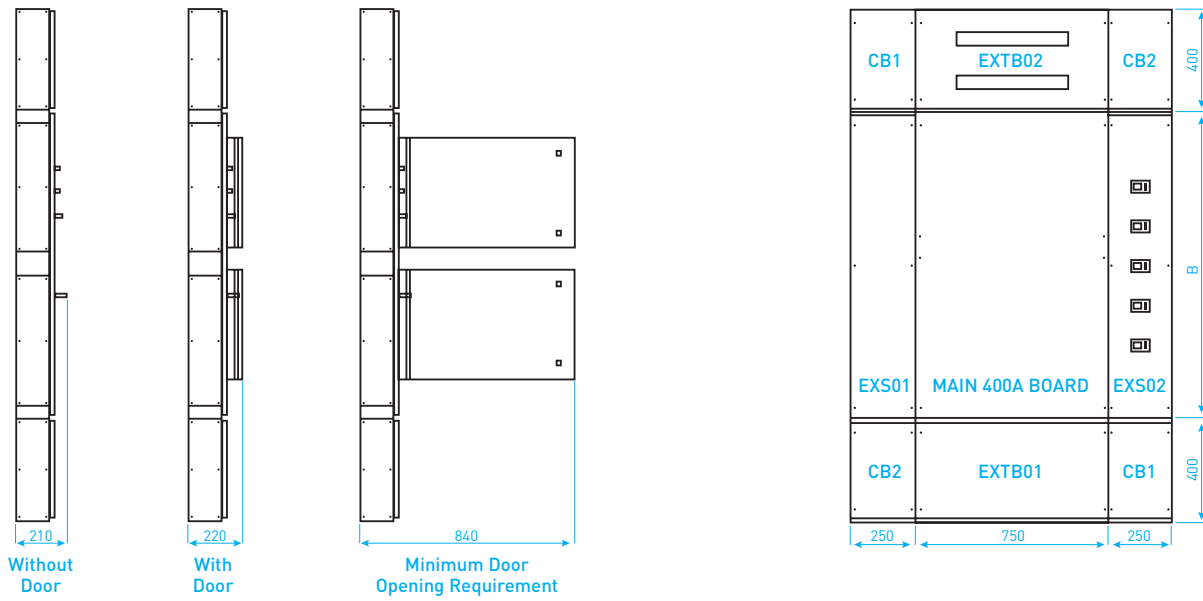
 = 250A Frame Size MCCB/ELCB

3P MCCB (16A-125A)
3P ELCB (20A-125A)

1P MCCB (16A-80A)
3P MCCB (100A-200A)
3P ELCB (200A)

ACCESSORIES DIMENSIONS

MEASUREMENTS IN MM.



ACCESSORIES



DESCRIPTION	PART NO.
CABLEWAYS	
For 6 Way NXPB-400, LH or RH fit. Includes Cable Fixing Brackets	NXPB-EXS01/6
For 8 Way NXPB-400, LH or RH fit. Includes Cable Fixing Brackets	NXPB-EXS01/8
For 12 Way NXPB-400, LH or RH fit. Includes Cable Fixing Brackets	NXPB-EXS01/12
For 18 Way NXPB-400, LH or RH fit. Includes Cable Fixing Brackets	NXPB-EXS01/18
METERWAYS	
For 6 Way NXDB-400. (5 meter spaces), LH or RH fit	NXPB-EXS02/6
For 8 Way NXDB-400. (6 meter spaces), LH or RH fit	NXPB-EXS02/8
For 12 Way NXDB-400. (7 meter spaces), LH or RH fit	NXPB-EXS02/12
For 18 Way NXDB-400. (9 meter spaces), LH or RH fit	NXPB-EXS02/18
EXTENSION BOXES	
Corner Unit for either Top Left or Bottom Right	NXPB-CB1
Corner Unit for either Top Right or Bottom Left	NXPB-CB2
Empty Extension Box (Top or Bottom)	NXPB-EXTB01
Extension Box (Top or Bottom) with 2x24 Modules spaces	NXPB-EXTB02
METER/CT KITS	
Metering Kit for 250A Incomer (250A CT)	NXPB-250-MK01
Metering Kit for 400A Incomer (400A CT)	NXPB-400-MK01
Metering Kit for 16-63A-3P 125A Frame size MCCB. Outgoing way (60A CT)	NXPB-EXS02-MK01
Metering Kit for 80-125A-3P 125A Frame size MCCB. Outgoing way (125A CT)	NXPB-EXS02-MK02
Metering Kit For 16-63A-3P 250A Frame size MCCB. Outgoing way (60A CT)	NXPB-EXS02-MK03
Metering Kit For 80-200A-3P 250A Frame size MCCB. Outgoing way (200A CT)	NXPB-EXS02-MK04
Meterway Blanking Plate for unused meterways	NXPB-EXS02-BK
SURGE ARRESTOR KITS	
Type 2-4P Surge Arrestor + Protection Fuses	NXPB-NU6-II-3PN/FUSES
Type 1+2 4P Surge Arrestor + Protection Fuses	NXPB-NXU-I+II-3PN/FUSES

INCOMERS

MCCB Type Isolator

MCCB TYPE ISOLATOR

DESCRIPTION	PART NO.
250A, 3 Pole Isolator	NH18-250-IK3P
400A, 3 Pole Isolator	NH18-400-IK3P

- ICW 6000A/1s
- IEC/EN 60947-3
- Double break contacts
- Shunt/UVT Trips available
- Alarm contacts available



Thermal/Magnetic MCCB

NM8S-400S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V			
DESCRIPTION	In (A)	Ii (A)	PART NO.
400A Incomer - 3 Pole Adjustable Thermal & Magnetic MCCB	400	4000	NXPB-400-TM-MCCB3P

- 50kA rating
- Isolation function
- Cascading and discrimination tables
- Zero arcing
- Current limiting



Electronic MCCB

NM8S-400S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V			
DESCRIPTION	In (A)	Ii (A)	PART NO.
400A Incomer - 3 Pole Electronic Adjustable Thermal & Magnetic MCCB	400	4000	NXPB-400-EL-MCCB3P

- 50kA rating
- Intelligent electronic and thermal magnetic protection
- Common accessories
- Cascading and discrimination tables
- Zero arcing



OUTGOING DEVICES

Thermal Magnetic MCCB

NM8-125S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V			
DESCRIPTION	In (A)	Ii (A)	PART NO.
16A 3P Adjustable Thermal 50KA MCCB	16	160	NM8-125S-3P-16A-KIT
20A 3P Adjustable Thermal 50KA MCCB	20	200	NM8-125S-3P-20A-KIT
25A 3P Adjustable Thermal 50KA MCCB	25	250	NM8-125S-3P-25A-KIT
32A 3P Adjustable Thermal 50KA MCCB	32	320	NM8-125S-3P-32A-KIT
40A 3P Adjustable Thermal 50KA MCCB	40	400	NM8-125S-3P-40A-KIT
50A 3P Adjustable Thermal 50KA MCCB	50	500	NM8-125S-3P-50A-KIT
63A 3P Adjustable Thermal 50KA MCCB	63	630	NM8-125S-3P-63A-KIT
80A 3P Adjustable Thermal 50KA MCCB	80	800	NM8-125S-3P-80A-KIT
100A 3P Adjustable Thermal 50KA MCCB	100	1000	NM8-125S-3P-100A-KIT
125A 3P Adjustable Thermal 50KA MCCB	125	1250	NM8-125S-3P-125A-KIT



- 50kA rating
- Isolation function
- Cascading and discrimination tables
- Zero arcing
- Current limiting

NM8-250S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V			
DESCRIPTION	In (A)	Ii (A)	PART NO.
100A 3P Adjustable Thermal & Magnetic 50KA MCCB	100	1000	NM8-250S-3P-100A-KIT
125A 3P Adjustable Thermal & Magnetic 50KA MCCB	125	1250	NM8-250S-3P-125A-KIT
160A 3P Adjustable Thermal & Magnetic 50KA MCCB	160	1600	NM8-250S-3P-160A-KIT
200A 3P Adjustable Thermal & Magnetic 50KA MCCB	200	2000	NM8-250S-3P-200A-KIT



- 50kA rating
- Isolation function
- Cascading and discrimination tables
- Zero arcing
- Current limiting

NM8-250S FRAME

1 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V			
DESCRIPTION	In (A)	Ii (A)	PART NO.
20A 1P Adjustable Thermal 30KA MCCB	20	200	NM8-250S-1P-20A-KIT
25A 1P Adjustable Thermal 30KA MCCB	25	250	NM8-250S-1P-25A-KIT
32A 1P Adjustable Thermal 30KA MCCB	32	320	NM8-250S-1P-32A-KIT
40A 1P Adjustable Thermal 30KA MCCB	40	400	NM8-250S-1P-40A-KIT
50A 1P Adjustable Thermal 30KA MCCB	50	500	NM8-250S-1P-50A-KIT
63A 1P Adjustable Thermal 30KA MCCB	63	630	NM8-250S-1P-63A-KIT
80A 1P Adjustable Thermal 30KA MCCB	80	800	NM8-250S-1P-80A-KIT
100A 1P Adjustable Thermal 30KA MCCB	100	1000	NM8-250S-1P-100A-KIT



- 30kA rating
- Isolation function
- Cascading and discrimination tables
- Zero arcing
- Current limiting

OUTGOING DEVICES

ELCB MCCB

NM8L-125S FRAME

3 POLE			
DESCRIPTION	In (A)	Ii (A)	PART NO.
20A 3P MCCB including RCD Adjustable	20	200	NM8L-125S-3P-20A-X1-T1-KIT
32A 3P MCCB including RCD Adjustable	32	320	NM8L-125S-3P-32A-X1-T1-KIT
50A 3P MCCB including RCD Adjustable	50	500	NM8L-125S-3P-50A-X1-T1-KIT
63A 3P MCCB including RCD Adjustable	63	630	NM8L-125S-3P-63A-X1-T1-KIT
100A 3P MCCB including RCD Adjustable	100	1000	NM8L-125S-3P-100A-X1-T1-KIT
125A 3P MCCB including RCD Adjustable	125	1250	NM8L-125S-3P-125A-X1-T1-KIT



- Combined ELCB
- MCCB and RCD unit are both adjustable
- Power indication
- Easily judge the reason of the fault
- High breaking capacity to 50kA
- Zero arcing

NM8L-250S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V			
DESCRIPTION	In (A)	Ii (A)	PART NO.
200A 3P MCCB including RCD Adjustable	200	2000	NM8L-250S-200A-X1-T1-KIT

RATED RESIDUAL OPERATING CURRENT $I\Delta n$ (A)	BREAKING TIME OF RESIDUAL CURRENT t(s)
X1: 0.05-0.1-0.2-0.5	T1: 0.1-0.3-0.5-1
*X2: 0.1-0.3-0.5-1	*T2: 0.2-0.5-1-2
Note: $I\Delta n_0=50\% I\Delta n$. X1 and X2 can be combined with T1 and T2 at will.	

MCCB BLANKING PLATES

ACCESSORIES

DESCRIPTION	PART NO.
MCCB Blanking Cover for 3 Pole 125A Frame size	NXPB-BK-125-3P
MCCB Blanking Cover for 3 Pole 250A Frame size	NXPB-BK-250-3P
MCCB Blanking Cover for 1 Pole 250A Frame size	NXPB-BK-250-1P

Other Accessory options are available, please email technical@chint.co.uk for a complete list of parts for your requirements.

SHIELD

SHIELD ELECTRICS LTD

Shield Range NXDB MKIII TP&N Distribution Boards and Metering Solutions



- Individual boards are supplied with pre-fitted 4 Pole Isolators
- Power & Lighting boards come complete with dual metering and a 4 Pole 250A Isolator
- Removable gland plates
- Various locking options are available
- Can be installed together either Vertically OR Horizontally



Metering
Capability



Surge Arrester
Capability

SHIELD Electrics. Powering The World

PRODUCT OVERVIEW

Robust All Metal TP&N Boards: 4, 6, 8, 12, 18 & 24 Ways

Boards can be installed together, **vertically** or **horizontally** with or without **Meter kits. Extension Boxes** are available for use as Cable Spreader units, fitted with 35mm DIN rail to mount various components, alternatively with a 250A, 4 Pole Isolator to be used where 2 boards are combined.

Units are Powder Coated to RAL 7035 over pretreated Heavy Gauge Steel with welded corners.

A wide selection of laser pre cut cable entries which are easily removed without deforming the outer case.

A selection of **PAN assemblies** are available for mounting directly to Control Panels. 4, 6, 8 and 12 ways.

The boards are available as individual units as shown on the following pages.



PLEASE NOTE:

Where Shield assemble boards to customer requirements be aware that weight may be an issue. Shield will take responsibility for shipping to a UK site address with the equipment mounted where appropriate to pallets and off loaded at the Kerbside.

It is the client's responsibility to remove the equipment from the kerbside to a final installation point. We use 3rd party contractors for shipping, it is **crucial that firm arrangements are made to receive the goods.**

PRODUCT FEATURES

SHIELD MKIII Type B Boards

Shield MKIII B Boards are manufactured from Sheet Steel to meet the requirements of **BS-EN 61439-3** with an **IP rating of IP3X**.

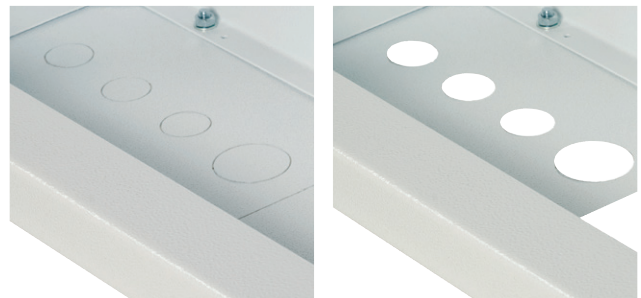
The main boards designed and manufactured in the UK are of pleasing appearance, finished in smooth powder coated pale grey paint to RAL 7035 over pre treated steel.

Available sizes are 4, 6, 8, 12, 18 and 24 Ways, a 4 Pole 125A Incomer is included as standard.

- **4, 6, 8, 12, 18 and 24 Way, boards made in the UK**
- **Accepts Chint NB1-6KA and NB1-10KA MCBs, NB3LEU 'AC' RCB0s, NB3LEG 'A' Type RCB0s and NB3LE-AFD AFDDs**
- **Incomers Pre-fitted as standard**
- **Key Locking Capability**
- **Main Boards and Extension Boxes**



EX-MD20 Extension box to allow extra 20 modular spaces for control NCH8 contactor, SDTS-15 time clocks, bell transformers, etc.



Circular Conduit holes and square cut out for trunking to give easy access without damaging the Gland Plates.



Accessory: NXDB-Link with shroud



Pre fitted with 1/4 turn coin operated fasteners to both the main boards and the cable spreader boxes.



NXDB TP&N BOARDS & ACCESSORIES

DIMENSIONS (mm)

WEIGHT

PART. NO.	DESCRIPTION	HEIGHT	WIDTH	DEPTH	Approx. kg
1125A 3 PHASE TP&N BOARDS - ALL METAL					
NXDB-125-4	4 Way	600	500	165	15
NXDB-125-6	6 Way	700	500	165	16.5
NXDB-125-8	8 Way	735	500	165	17
NXDB-125-12	12 Way	850	500	165	20
NXDB-125-18	18 Way	1000	500	165	23
NXDB-125-24	24 Way	1165	500	165	26.5
NXDB-125-1K4P	125A Incomer Kit for NXDB-125 (Pre-fitted)	-	-	-	0.1
200A 3 PHASE TP&N BOARDS - ALL METAL					
NXDB-200-4	4 Ways	750	500	165	19
NXDB-200-6	6 Ways	800	500	165	20.8
NXDB-200-8	8 Ways	855	500	165	22.6
NXDB-200-12	12 Ways	965	500	165	23.8
NXDB-200-18	18 Ways	1125	500	165	28.4
NXDB-200-1K4P	200A Incomer Kit for NXDB-200 (Pre-fitted)	-	-	-	2.2
ACCESSORIES					
EX-1803	Spreader Box	400	500	165	6
EX-4250	Extension Box with 250A, 4P Isolator – for Power & Lighting Boards	400	500	165	10
EX-MD20	NXDB Extension Box with Glazed Door – 20 Modules	400	500	165	9
MRJ4M-LS01	Single Meter Kit for NXDB 125A Board	-	-	-	1.2
MRJ4M-LS03	Single Meter Kit for NXDB-200A Board	-	-	-	1.5
SBLK01	Din Rail Mounted MCB Shape Blanking Module	-	-	-	-
NXDB-BP	18mm Single Blanking Plate	-	-	-	-
NXDB-LINK	3 Phase – Single Phasing Link for NXDB 125A Board	-	-	-	-
LOCK01	Key Lock for NXDB Doors (2 required for 18 & 24 ways)	-	-	-	-
NM8-PL-250	Padlock-able Lock Off Device for EX-4250 Incomer	-	-	-	-

METERED BOARDS
DIMENSIONS (mm)
WEIGHT

PART. NO.	DESCRIPTION		HEIGHT	WIDTH	DEPTH	Approx. kg
125A 3 PHASE TP&N BOARDS (INCLUDING PRE-FITTED INCOMER) - ALL METAL						
NXDB-4MK	4 Ways	3 Phase Board with Meter Kit	600	500	165	16
NXDB-6MK	6 Ways	3 Phase Board with Meter Kit	700	500	165	17.5
NXDB-8MK	8 Ways	3 Phase Board with Meter Kit	735	500	165	18
NXDB-12MK	12 Ways	3 Phase Board with Meter Kit	850	500	165	21
NXDB-18MK	18 Ways	3 Phase Board with Meter Kit	1000	500	165	24
NXDB-24MK	24 Ways	3 Phase Board with Meter Kit	1165	500	165	27
200A 3 PHASE TP&N BOARDS (INCLUDING PRE-FITTED INCOMER) - ALL METAL						
NXDB-200-4MK	4 Ways	3 Phase Board with Meter Kit	750	500	165	22
NXDB-200-6MK	6 Ways	3 Phase Board with Meter Kit	800	500	165	24
NXDB-200-8MK	8 Ways	3 Phase Board with Meter Kit	855	500	165	25.5
NXDB-200-12MK	12 Ways	3 Phase Board with Meter Kit	965	500	165	27
NXDB-200-18MK	18 Ways	3 Phase Board with Meter Kit	1125	500	165	31.5

POWER AND LIGHTING BOARDS – METERED

The Shield solution to metering the output from individual 3 Phase Boards is both elegant and convenient and can be applied to all NXDB boards i.e. to Shield 4, 6, 8 and 12 Way boards.

We can supply the following as kits for assembly on site, alternatively we are happy to assemble to suit specific applications based on our basic format as shown.

Where we are asked to assemble boards to suit specific needs it is recommended that an initial telephone call is made to our office possibly followed by a site meeting. Please be aware that dependent on how the boards are to be configured, site, weight and handling will be a consideration.

Boards are assembled on slotted 41x41 mm channel for added strength during transport and can be used for mounting against a suitable wall.



POWER AND LIGHTING BOARDS

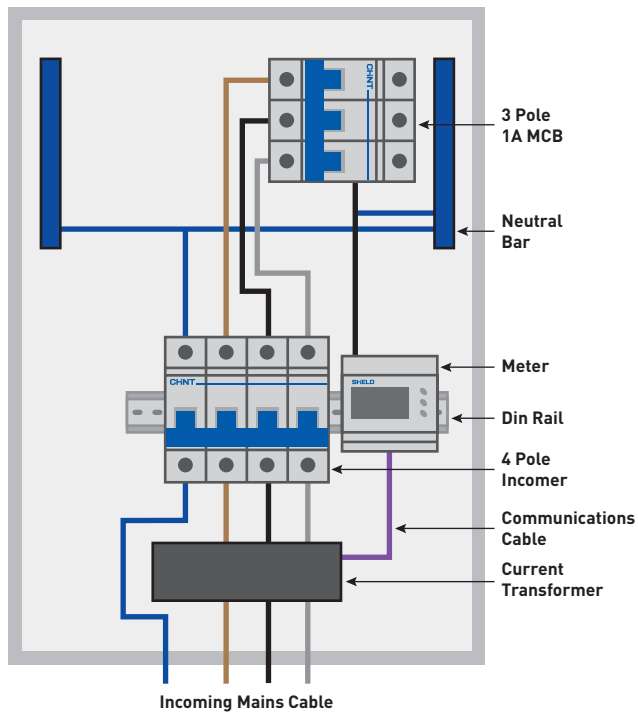
PART. NO.	DESCRIPTION		DIMENSIONS (mm)			WEIGHT
			HEIGHT	WIDTH	DEPTH	Approx. kg
NXDB-44MK	4 Way & 4 Way	TP&N, 4 Pole Incomer & 2 meters	1600	500	165	45
NXDB-46MK	4 Way & 6 Way	TP&N, 4 Pole Incomer & 2 meters	1700	500	165	46.5
NXDB-48MK	4 Way & 8 Way	TP&N, 4 Pole Incomer & 2 meters	1735	500	165	48
NXDB-412MK	4 Way & 12 Way	TP&N, 4 Pole Incomer & 2 meters	1850	500	165	50
NXDB-66MK	6 Way & 6 Way	TP&N, 4 Pole Incomer & 2 meters	1800	500	165	48
NXDB-68MK	6 Way & 8 Way	TP&N, 4 Pole Incomer & 2 meters	1835	500	165	48.5
NXDB-612MK	6 Way & 12 Way	TP&N, 4 Pole Incomer & 2 meters	1950	500	165	51.5
NXDB-88MK	8 Way & 8 Way	TP&N, 4 Pole Incomer & 2 meters	1870	500	165	49
NXDB-812MK	8 Way & 12 Way	TP&N, 4 Pole Incomer & 2 meters	1985	500	165	52

METER WIRING DIAGRAMS

There is a full range of **ASTA approved** B, C and D Curve MCBs and B and C Curve RCBOs readily available to complement the **Shield NXDB TP&N Distribution Boards**.

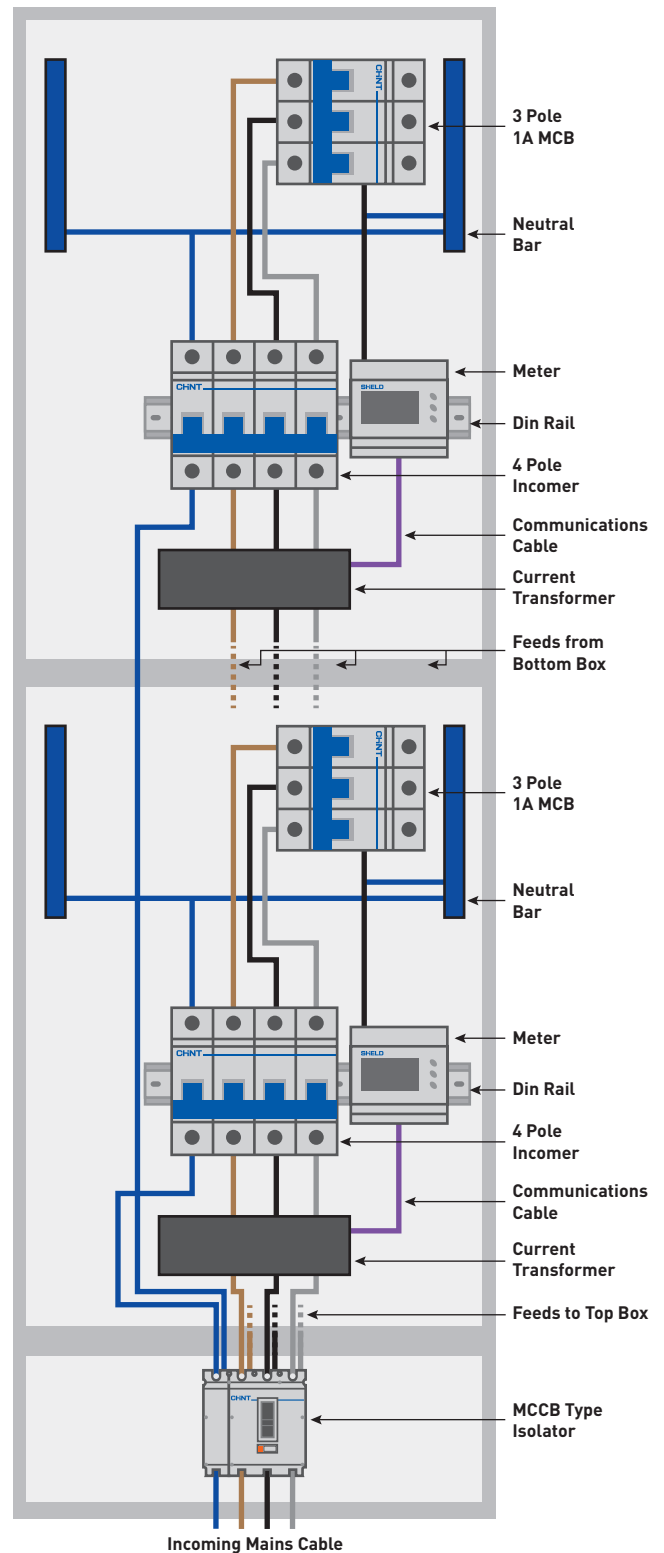
SINGLE BOARD

Part No. MRJ4M-LS01



TWIN BOARD

Part No. MRJ4M-LS01 x 2



IMPORTANT NOTE:

When sizing the correct size of board be aware that the MCB feeding the meter etc., takes up 1 full way (L1, L2, & L3), thereby reducing the effective size of each board by 1, 3 way module, i.e. A 4 Way board becomes 3, 6 Way becomes 5 etc.

*PLEASE NOTE:

Shield will take responsibility for shipping to an agreed UK location on appropriate pallets. Our carrier will deliver to the roadside after which it will be Client's responsibility to offload to the final location. **Carriage is charged extra.**

METERING

DIN Rail Mounting & LCD Display

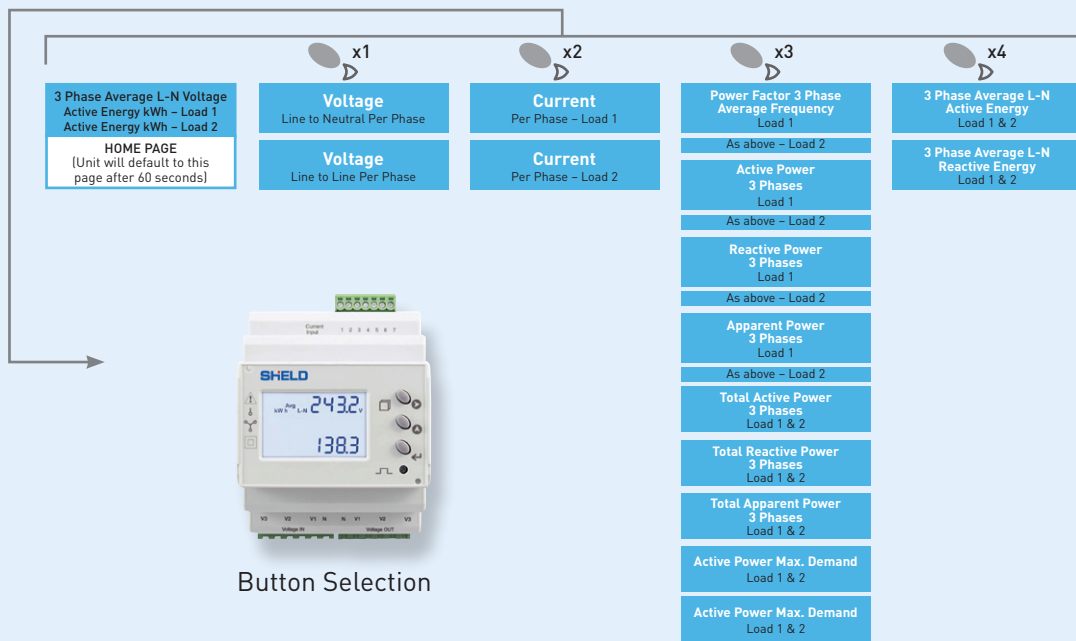


MRJ4M-LS01

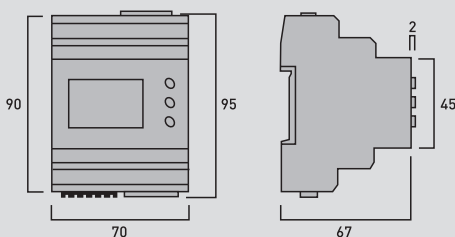
Displayed Parameters and Accuracies

Voltage	0.5% of full scale
Current	0.5% of full scale
Frequency	0.1% of full scale (L-N →20V)
Power Factor	1% of unity
Active Power	1%
Reactive Power	1%
Apparent Power	1%
Active Energy	Class 1 (IEC/EN62053-21)
Reactive Energy	Class 2 (IEC/EN62053-23)

- 4 Module DIN Rail mounting
- Single phase or 3 phase (4 wire) network balanced or unbalanced load
- Built-in energy pulse output, one for each load and RS485 MODBUS communication
- Wide range of measured parameters (see table below)
- High quality backlit LCD display
- 330mV current Transformer input
- Active energy class 1 (EN62053-21)
- Reactive energy class 2 (EN62053-23)
- 3 phase: 140...520Vac measured voltage
- Single phase: 60...300Vac measured voltage
- Self supplied auxiliary
- Programmable CT ratio 5...10,000A per load
- Programmable VT ratio
- Frequency 45/65Hz
- Selectable CT phase correction allows reversal of L1 and L3



Power Meter Dimensions



Please allow space above and below the meter for cable connections. Dimensions in mm.

DISPLAYED PARAMETERS

Voltage	L-L, L-N and average
Current	Per Phase and average
Power Factor	Per Phase and average

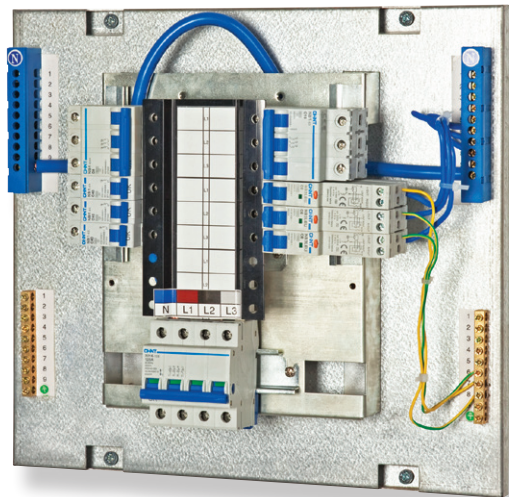
FREQUENCY

Power	Active, Reactive and Apparent (per phase and total)
Power Max. demand	Active and Apparent Power
Energy	Active, Reactive and Apparent (total)

PAN ASSEMBLIES

A range of 125A Panel Mounting **PAN Assemblies** that accept the ASTA approved Chint NB1 B, C or D Curve 6 or 10KA MCBs, NB3LEU or NB3LEG RCBOs and NB3LE-AFD AFDDs.

Pan assemblies are supplied as standard with a 125A, 4 Pole Incomer.



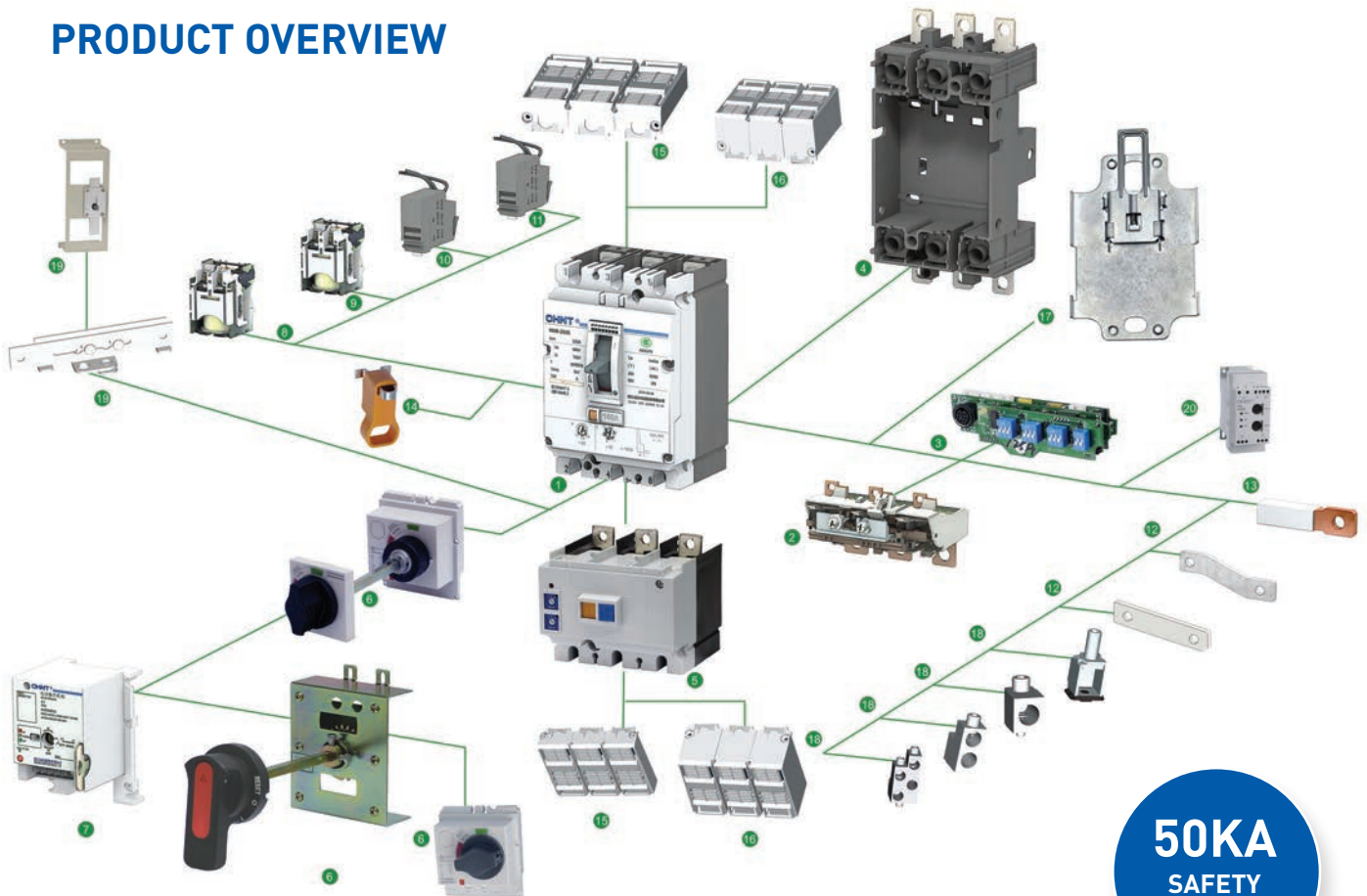
POWER AND LIGHTING BOARDS

PART. NO.	DESCRIPTION	DIMENSIONS (mm)			WEIGHT
		HEIGHT	WIDTH	DEPTH	Approx. kg
PA-04	4 Way Pan Assembly	354	428	120	4.5
PA-06	6 Way Pan Assembly	453	428	120	5
PA-08	8 Way Pan Assembly	482	428	120	5.5
PA-12	12 Way Pan Assembly	604	428	120	7

NM8 MOULDED CASE CIRCUIT BREAKER OVERVIEW

- KEMA approved
- Standard IEC/EN 60947-2
- 50KA minimum breaking capacity (Icu)
- Modular frame sizes: 250A, 630A and 1250A
- Economic 125A frame 50KA (Icu)
- Common accessories
- DC ratings for thermal magnetic protection relays
- Zero arcing
- Rotating double break contacts
- Current limiting
- Cascading and discrimination data tables
- Isolation function
- Intelligent electronic and thermal magnetic protection relays

PRODUCT OVERVIEW



- | | |
|--------------------------------------|-----------------------------|
| 1 Body | 11 Auxiliary Contact |
| 2 Thermal-magnetic Release | 12 Front Connection Bar |
| 3 Electronic Release | 13 Rear Connection Bar |
| 4 Plug-in Base | 14 Locking System (padlock) |
| 5 Residual Current Protection Module | 15 Short Terminal Cover |
| 6 Rotary Manual Operating Handle | 16 Extended Terminal Cover |
| 7 Motor Driven Operating Mechanism | 17 DIN Rail Adaptor |
| 8 Under-voltage Release | 18 Cage Clamp Terminal |
| 9 Shunt Release | 19 Mechanical Interlock |
| 10 Alarm Contact | 20 Communication Module |

NM8-125S FRAME, THERMAL MAGNETIC

NM8-125s FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
32	320	NM8-125S-3P-32A
40	400	NM8-125S-3P-40A
50	500	NM8-125S-3P-50A
63	630	NM8-125S-3P-63A
80	800	NM8-125S-3P-80A
100	1000	NM8-125S-3P-100A
125	1250	NM8-125S-3P-125A



NM8-125S-3P

NM8-125s FRAME

4 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
32	320	NM8-125S-4P-32A
40	400	NM8-125S-4P-40A
50	500	NM8-125S-4P-50A
63	630	NM8-125S-4P-63A
80	800	NM8-125S-4P-80A
100	1000	NM8-125S-4P-100A
125	1250	NM8-125S-4P-125A

NM8-250S FRAME, THERMAL MAGNETIC

NM8-250S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
100	1000	NM8-250S-3P-100A
125	1250	NM8-250S-3P-125A
160	1600	NM8-250S-3P-160A
200	2000	NM8-250S-3P-200A
250	2500	NM8-250S-3P-250A



NM8-250S-3P

NM8-250S FRAME

4 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
100	1000	NM8-250S-4P-100A
125	1250	NM8-250S-4P-125A
160	1600	NM8-250S-4P-160A
200	2000	NM8-250S-4P-200A
250	2500	NM8-250S-4P-250A

NM8-400S FRAME, THERMAL MAGNETIC

NM8-400S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V

In (A)	Ii (A)	PART NO.
400	4000	NM8-400S-3P-400A

NM8-400S FRAME

4 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V

In (A)	Ii (A)	PART NO.
400	4000	NM8-400S-4P-400A



NM8-400S-3P

NM8-800S FRAME, THERMAL MAGNETIC

NM8-800S FRAME

3 POLE ADJUSTABLE MCCB

In (A)	Ii (A)	PART NO.
800	8000	NM8-800S-3P-800A

NM8-800S FRAME

4 POLE ADJUSTABLE MCCB

In (A)	Ii (A)	PART NO.
800	8000	NM8-800S-4P-800A



NM8-800S-3P

NM8-1250S FRAME, THERMAL MAGNETIC

NM8-1250S FRAME

3 POLE ADJUSTABLE MCCB

In (A)	Ii (A)	PART NO.
1000	10000	NM8-1250S-3P-1000A
1250	12500	NM8-1250S-3P-1250A

NM8-1250S FRAME

4 POLE ADJUSTABLE MCCB

In (A)	Ii (A)	PART NO.
1000	10000	NM8-1250S-4P-1000A
1250	12500	NM8-1250S-4P-1250A



NM8-1250S-3P

NM8-400S FRAME, ELECTRONIC

NM8-400S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
400	4000	NM8S-400S-3P-400A

NM8-400S FRAME

4 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
400	4000	NM8S-400S-4P-400A



NM8S-400S-3P

NM8-630S FRAME, ELECTRONIC

NM8-630S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
630	7560	NM8S-630S-3P-630A

NM8-630S FRAME

4 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
630	7560	NM8S-630S-4P-630A



NM8S-630S-3P

NM8-800S FRAME, ELECTRONIC

NM8-800S FRAME

3 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
800	9600	NM8S-800S-3P-800A

NM8-800S FRAME

4 POLE ADJUSTABLE MCCB. ICU=ICS 50KA 415V		
In (A)	Ii (A)	PART NO.
800	9600	NM8S-800S-4P-800A

NM8-1250S FRAME, ELECTRONIC

NM8-1250S FRAME

3 POLE ADJUSTABLE MCCB		
In (A)	li (A)	PART NO.
1000	12000	NM8S-1250S-3P-1000A
1250	15000	NM8S-1250S-3P-1250A

NM8-1250S FRAME

4 POLE ADJUSTABLE MCCB		
In (A)	li (A)	PART NO.
1000	12000	NM8S-1250S-4P-1000A
1250	15000	NM8S-1250S-4P-1250A

125A FRAME ACCESSORIES

DESCRIPTION	PART NO.
3P, 125A FRAME ACCESSORIES	
3P Short Terminal Shield	NM8-ST-3P-125
3P Long Terminal Shield	NM8-LT-3P-125
3P/4P Rotary Handle, Metal	NM8-MR-125
3P IP55 Rotary Handle, Plastic	NM8-MR55-125
3P Boxing Contact (pack of 3)	NM8-BT-3P-125
3P Interlock Plate	NM8-IL-3P-125
3P Front Connection Bar	NM8-FCP-3P-125
3P Din Rail Adaptor	NM8-ADPT-3P-125
4P, 125A FRAME ACCESSORIES	
4P Short Terminal Shield	NM8-ST-4P-125
4P Long Terminal Shield	NM8-LT-4P-125
3P/4P Rotary Handle, Metal	NM8-MR-125
4P IP55 Rotary Handle, Plastic	NM8-MR55-125
4P Boxing Contact (pack of 4)	NM8-BT-4P-125
4P Interlock Plate	NM8-IL-4P-125
4P Front Connection Bar	NM8-FCP-4P-125
125A FRAME ACCESSORIES	
Auxiliary Contact (1x changeover)	NM8-AL-1250
Alarm Contact (1x changeover)	NM8-AL-1250
230V Shunt Trip	NM8-SH230-125
230V Undervoltage Release	NM8-UV230-125
Toggle Padlock Device	NM8-PL-125
Motor Operator 230V	NM8-MM230-125

250A FRAME ACCESSORIES

DESCRIPTION	PART NO.
3P, 250A FRAME ACCESSORIES	
3P Short Terminal Shield	NM8-ST-3P-250
3P Long Terminal Shield	NM8-LT-3P-250
3P/4P Rotary Handle, Metal	NM8-MR-250
3P IP55 Rotary Handle, Plastic	NM8-MR55-250
3P Boxing Contact (pack of 3)	NM8-BT-3P-250
3P Interlock Plate	NM8-IL-3P-250
3P Front Connection Bar	NM8-FCP-3P-250
4P, 250A FRAME ACCESSORIES	
4P Short Terminal Shield	NM8-ST-4P-250
4P Long Terminal Shield	NM8-LT-4P-250
3P/4P Rotary Handle, Metal	NM8-MR-250
4P IP55 Rotary Handle, Plastic	NM8-MR55-250
4P Boxing Contact (pack of 4)	NM8-BT-4P-250
4P Interlock Plate	NM8-IL-4P-250
4P Front Connection Bar	NM8-FCP-4P-250
250A FRAME ACCESSORIES	
Auxiliary Contact (1x changeover)	NM8-AL-1250
Alarm Contact (1x changeover)	NM8-AL-1250
230V Shunt Trip	NM8-SH230-250
230V Undervoltage Release	NM8-UV230-250
Toggle Padlock Device	NM8-PL-250
Motor Operator 230V	NM8-MM230-250

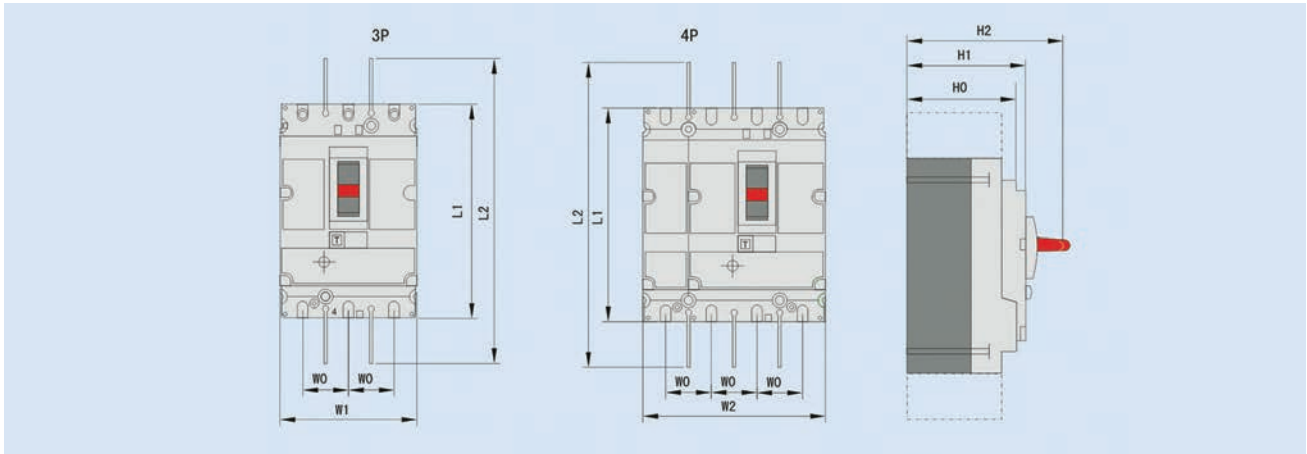
400A & 600A FRAME ACCESSORIES

DESCRIPTION	PART NO.
3P, 400A & 600A FRAME ACCESSORIES	
3P Short Terminal Shield	NM8-ST-3P-630
3P Long Terminal Shield	NM8-LT-3P-630
3P/4P Rotary Handle, Metal	NM8-MR-630
3P IP55 Rotary Handle, Plastic	NM8-MR55-630
3P Boxing Contact (pack of 3)	NM8-BT-3P-630
3P Interlock Plate	NM8-IL-3P-630
3P Front Connection Bar	NM8-FCP-3P-630
4P, 400A & 600A FRAME ACCESSORIES	
4P Short Terminal Shield	NM8-ST-4P-630
4P Long Terminal Shield	NM8-LT-4P-630
3P/4P Rotary Handle, Metal	NM8-MR-630
4P IP55 Rotary Handle, Plastic	NM8-MR55-630
4P Boxing Contact (pack of 4)	NM8-BT-4P-630
4P Interlock Plate	NM8-IL-4P-630
4P Front Connection Bar	NM8-FCP-4P-630
400A & 600A FRAME ACCESSORIES	
Auxiliary Contact (1x changeover)	NM8-AL-1250
Alarm Contact (1x changeover)	NM8-AL-1250
230V Shunt Trip	NM8-SH230-630
230V Undervoltage Release	NM8-UV230-630
Toggle Padlock Device	NM8-PL-630
Motor Operator 230V	NM8-MM230-630

800A & 1250A FRAME ACCESSORIES

DESCRIPTION	PART NO.
3P, 800A & 1250A FRAME ACCESSORIES	
3P Short Terminal Shield	NM8-ST-3P-1250
3P Long Terminal Shield	NM8-LT-3P-1250
3P/4P Rotary Handle, Metal	NM8-MR-1250
3P Boxing Contact (pack of 3)	NM8-BT-3P-1250
3P Interlock Plate	NM8-IL-3P-1250
3P Front Connection Bar	NM8-FCP-3P-1250
4P, 800A & 1250A FRAME ACCESSORIES	
4P Short Terminal Shield	NM8-ST-4P-1250
4P Long Terminal Shield	NM8-LT-4P-1250
3P/4P Rotary Handle, Metal	NM8-MR-1250
4P Boxing Contact (pack of 4)	NM8-BT-4P-630
4P Interlock Plate	NM8-IL-4P-1250
4P Front Connection Bar	NM8-FCP-4P-1250
800A & 1250A FRAME ACCESSORIES	
Auxiliary Contact (1x changeover)	NM8-AL-1250
Alarm Contact (1x changeover)	NM8-AL-1250
230V Shunt Trip	NM8-SH230-1250
230V Undervoltage Release	NM8-UV230-1250
Toggle Padlock Device	NM8-PL-1250
Motor Operator 230V	NM8-MM230-1250

NM8 Dimensions



NM8 DIMENSIONS (mm)

PART. NO.	W0	W1	W2	L1	L2	H0	H1	H2
NM8-125S	30	90	120	140	240	72	79	103
NM8-250S	35	105	140	157	357	82	88	126
NM8-400/630	45	140	185	255	474	95	113	168
NM8-800/1250	70	210	280	370	570	132	144	206

NM8	NM8-125	NM8S-125 NM8-250 NM8S-250	NM8-400, 630 NM8S-400, 600	NM8-800, 1250 NM8S-800, 1250
Distance between different poles (W0)	30	35	45	70
L	≤ 15	≤ 25	≤ 32	≤ 45
D	≤ 7	≤ 10	≤ 16	≤ 16
∅	> 6	> 8	> 10	> 11

All dimensions in millimetres.

NM8L SERIES, ELCB MCCB

NM8L-125S ELCB MCCB, 3 POLE

DESCRIPTION		PART NO.
20A 3P MCCB	Inc. RCD Adjustable	NM8L-125S-3P-20A-X1-T1
32A 3P MCCB		NM8L-125S-3P-32A-X1-T1
50A 3P MCCB		NM8L-125S-3P-50A-X1-T1
63A 3P MCCB		NM8L-125S-3P-63A-X1-T1
100A 3P MCCB		NM8L-125S-3P-100A-X1-T1
125A 3P MCCB		NM8L-125S-3P-125A-X1-T1



NM8L-250S

NM8L-125S ELCB MCCB, 4 POLE

DESCRIPTION		PART NO.
20A 4P MCCB	Inc. RCD Adjustable	NM8L-125S-4P-20A-X1-T1
32A 4P MCCB		NM8L-125S-4P-32A-X1-T1
50A 4P MCCB		NM8L-125S-4P-50A-X1-T1
63A 4P MCCB		NM8L-125S-4P-63A-X1-T1
100A 4P MCCB		NM8L-125S-4P-100A-X1-T1
125A 4P MCCB		NM8L-125S-4P-125A-X1-T1
63A 4P MCCB		NM8L-125S-4P-63A-X2-T1
100A 4P MCCB		NM8L-125S-4P-100A-X2-T1

- Combined ELCB
- MCCB and RCD unit are both adjustable
- Power indication
- Easily judge the reason of the fault
- High breaking capacity to 50KA
- Arcing free

NM8L-250S ELCB MCCB, 3 POLE

DESCRIPTION		PART NO.
200A 3P MCCB	Inc. RCD Adjustable	NM8L-250S-3P-200A-X1-T1
250A 3P MCCB		NM8L-250S-3P-250A-X1-T1

NM8L-250S ELCB MCCB, 4 POLE

DESCRIPTION		PART NO.
200A 4P MCCB	Inc. RCD Adjustable	NM8L-250S-4P-200A-X1-T1
250A 4P MCCB		NM8L-250S-4P-250A-X1-T1

TYPE	RATED RESIDUAL OPERATING CURRENT IΔN (A)	BREAKING TIME OF RESIDUAL CURRENT t(s)
NM8L-125S	X1: 0.05-0.1-0.2-0.5	t1: 0.1-0.3-0.5-1
NM8L-250S	X2: 0.1-0.3-0.5-1	t2: 0.2-0.5-1-2

NM1T ENCLOSED MCCBs

NM1T ENCLOSED MCCBS, 3P (ALL WITH ISOLATING LINKS)

DESCRIPTION	POLE	PART NO.
32A	3P and Neutral Link	NM1T-32/3N
63A	3P and Neutral Link	NM1T-63/3N
80A	3P and Neutral Link	NM1T-80/3N
100A	3P and Neutral Link	NM1T-100/3N
125A	3P and Neutral Link	NM1T-125/3N
160A	3P and Neutral Link	NM1T-160/3N
200A	3P and Neutral Link	NM1T-200/3N
250A	3P and Neutral Link	NM1T-250/3N
400A	3P and Neutral Link	NM1T-400/3N
630A	3P and Neutral Link	NM1T-630/3N



NM1T

MCCBs Independently Tested and Approved to IEC/EN 60947-2

- 3 Pole and 4 Pole with neutral
- Ratings of MCCBs easily adjusted down by 20%
- MCCBs KEMA approved to 50kA
- Removable bottom gland plate
- Can be padlocked off

NM1T ENCLOSED MCCBS, 4P (ALL WITH ISOLATING LINKS)

DESCRIPTION	POLE	PART NO.
32A	4P	NM1T-32/4N
63A	4P	NM1T-63/4N
80A	4P	NM1T-80/4N
100A	4P	NM1T-100/4N
125A	4P	NM1T-125/4N
160A	4P	NM1T-160/4N
200A	4P	NM1T-200/4N
250A	4P	NM1T-250/4N
400A	4P	NM1T-400/4N
630A	4P	NM1T-630/4N

NM1TL ENCLOSED ELCB

NM1TL ENCLOSED ELCB, 3P

DESCRIPTION	POLE	PART NO.
63A	3P Enclosed ELCB	NM1TL-063/3/X1/T1
100A	3P Enclosed ELCB	NM1TL-100/3/X1/T1
160A	3P Enclosed ELCB	NM1TL-160/3/X1/T1
200A	3P Enclosed ELCB	NM1TL-200/3/X1/T1
250A	3P Enclosed ELCB	NM1TL-250/3/X1/T1



NM1TL

MCCBs Independently Tested and Approved to IEC/EN 60947-2

- 3 Pole and 4 Pole with neutral
- Ratings of MCCBs and RCDs can be easily adjusted
- MCCBs KEMA approved to 50kA
- Removable bottom gland plate
- Can be padlocked off
- Adjustable range for X1: (A) 0.05 - 0.1 - 0.2 - 0.5
- Adjustable range for T1: (s) 0.1 - 0.3 - 0.5 - 1

NM1TL ENCLOSED ELCB, 4P

DESCRIPTION	POLE	PART NO.
63A	4P Enclosed ELCB	NM1TL-063/4/X1/T1
100A	4P Enclosed ELCB	NM1TL-100/4/X1/T1
160A	4P Enclosed ELCB	NM1TL-160/4/X1/T1
200A	4P Enclosed ELCB	NM1TL-200/4/X1/T1
250A	4P Enclosed ELCB	NM1TL-250/4/X1/T1

MID METERS

KWH ENERGY METERS

DESCRIPTION	PART NO.	WIDTH
80A 230V 2P 2 Mod Din Rail Meter/ Modbus MID	DDSU666-230V-5/80A	2 Mod (36mm)
80A 230V/400V 3 Phase Din Rail Meter/ Modbus MID	DTSU666-230V/400V-5/80A	4 Mod (72mm)

- 80A Direct connected, CTs not required
- Compliance with IEC60252-11 / IEC62053-21
- RS485 MODBUS
- MID
- DIN rail mount
- Accuracy - Class 1.0 for Active
- Bi-Directional measuring



DDSU666



DTSU666

NB1 SERIES, 10KA MCBs

1 POLE, 10KA

Boxed in 12s

In (A)	POLE	B CURVE	C CURVE	D CURVE
1A	1P	NB1-63BH1P01	NB1-63CH1P01	NB1-63DH1P01
2A	1P	NB1-63BH1P02	NB1-63CH1P02	NB1-63DH1P02
3A	1P	NB1-63BH1P03	NB1-63CH1P03	NB1-63DH1P03
4A	1P	NB1-63BH1P04	NB1-63CH1P04	NB1-63DH1P04
6A	1P	NB1-63BH1P06	NB1-63CH1P06	NB1-63DH1P06
10A	1P	NB1-63BH1P10	NB1-63CH1P10	NB1-63DH1P10
16A	1P	NB1-63BH1P16	NB1-63CH1P16	NB1-63DH1P16
20A	1P	NB1-63BH1P20	NB1-63CH1P20	NB1-63DH1P20
25A	1P	NB1-63BH1P25	NB1-63CH1P25	NB1-63DH1P25
32A	1P	NB1-63BH1P32	NB1-63CH1P32	NB1-63DH1P32
40A	1P	NB1-63BH1P40	NB1-63CH1P40	NB1-63DH1P40
50A	1P	NB1-63BH1P50	NB1-63CH1P50	NB1-63DH1P50
63A	1P	NB1-63BH1P63	NB1-63CH1P63	NB1-63DH1P63



NB1, 1P

2 POLE, 10KA

Boxed in 6s

In (A)	POLE	B CURVE	C CURVE	D CURVE
1A	2P	NB1-63BH2P01	NB1-63CH2P01	NB1-63DH2P01
2A	2P	NB1-63BH2P02	NB1-63CH2P02	NB1-63DH2P02
3A	2P	NB1-63BH2P03	NB1-63CH2P03	NB1-63DH2P03
4A	2P	NB1-63BH2P04	NB1-63CH2P04	NB1-63DH2P04
6A	2P	NB1-63BH2P06	NB1-63CH2P06	NB1-63DH2P06
10A	2P	NB1-63BH2P10	NB1-63CH2P10	NB1-63DH2P10
16A	2P	NB1-63BH2P16	NB1-63CH2P16	NB1-63DH2P16
20A	2P	NB1-63BH2P20	NB1-63CH2P20	NB1-63DH2P20
25A	2P	NB1-63BH2P25	NB1-63CH2P25	NB1-63DH2P25
32A	2P	NB1-63BH2P32	NB1-63CH2P32	NB1-63DH2P32
40A	2P	NB1-63BH2P40	NB1-63CH2P40	NB1-63DH2P40
50A	2P	NB1-63BH2P50	NB1-63CH2P50	NB1-63DH2P50
63A	2P	NB1-63BH2P63	NB1-63CH2P63	NB1-63DH2P63



NB1, 2P

Independently Tested and Approved by:



NB1 SERIES, 10KA MCBs

3 POLE, 10KA

In (A)	POLE	B CURVE	C CURVE	D CURVE
1A	3P	NB1-63BH3P01	NB1-63CH3P01	NB1-63DH3P01
2A	3P	NB1-63BH3P02	NB1-63CH3P02	NB1-63DH3P02
3A	3P	NB1-63BH3P03	NB1-63CH3P03	NB1-63DH3P03
4A	3P	NB1-63BH3P04	NB1-63CH3P04	NB1-63DH3P04
6A	3P	NB1-63BH3P06	NB1-63CH3P06	NB1-63DH3P06
10A	3P	NB1-63BH3P10	NB1-63CH3P10	NB1-63DH3P10
16A	3P	NB1-63BH3P16	NB1-63CH3P16	NB1-63DH3P16
20A	3P	NB1-63BH3P20	NB1-63CH3P20	NB1-63DH3P20
25A	3P	NB1-63BH3P25	NB1-63CH3P25	NB1-63DH3P25
32A	3P	NB1-63BH3P32	NB1-63CH3P32	NB1-63DH3P32
40A	3P	NB1-63BH3P40	NB1-63CH3P40	NB1-63DH3P40
50A	3P	NB1-63BH3P50	NB1-63CH3P50	NB1-63DH3P50
63A	3P	NB1-63BH3P63	NB1-63CH3P63	NB1-63DH3P63

Boxed in 4s



NB1, 3P

4 POLE, 10KA

In (A)	POLE	B CURVE	C CURVE	D CURVE
1A	4P	NB1-63BH4P01	NB1-63CH4P01	NB1-63DH4P01
2A	4P	NB1-63BH4P02	NB1-63CH4P02	NB1-63DH4P02
3A	4P	NB1-63BH4P03	NB1-63CH4P03	NB1-63DH4P03
4A	4P	NB1-63BH4P04	NB1-63CH4P04	NB1-63DH4P04
6A	4P	NB1-63BH4P06	NB1-63CH4P06	NB1-63DH4P06
10A	4P	NB1-63BH4P10	NB1-63CH4P10	NB1-63DH4P10
16A	4P	NB1-63BH4P16	NB1-63CH4P16	NB1-63DH4P16
20A	4P	NB1-63BH4P20	NB1-63CH4P20	NB1-63DH4P20
25A	4P	NB1-63BH4P25	NB1-63CH4P25	NB1-63DH4P25
32A	4P	NB1-63BH4P32	NB1-63CH4P32	NB1-63DH4P32
40A	4P	NB1-63BH4P40	NB1-63CH4P40	NB1-63DH4P40
50A	4P	NB1-63BH4P50	NB1-63CH4P50	NB1-63DH4P50
63A	4P	NB1-63BH4P63	NB1-63CH4P63	NB1-63DH4P63

Boxed in 3s



NB1, 4P

Independently Tested and Approved by:



NB1 SERIES, 6KA MCBs

1 POLE, 6KA

Boxed in 12s

In (A)	POLE	B CURVE	C CURVE	D CURVE
1A	1P	NB1-63B1P01	NB1-63C1P01	NB1-63D1P01
2A	1P	NB1-63B1P02	NB1-63C1P02	NB1-63D1P02
3A	1P	NB1-63B1P03	NB1-63C1P03	NB1-63D1P03
4A	1P	NB1-63B1P04	NB1-63C1P04	NB1-63D1P04
6A	1P	NB1-63B1P06	NB1-63C1P06	NB1-63D1P06
10A	1P	NB1-63B1P10	NB1-63C1P10	NB1-63D1P10
16A	1P	NB1-63B1P16	NB1-63C1P16	NB1-63D1P16
20A	1P	NB1-63B1P20	NB1-63C1P20	NB1-63D1P20
25A	1P	NB1-63B1P25	NB1-63C1P25	NB1-63D1P25
32A	1P	NB1-63B1P32	NB1-63C1P32	NB1-63D1P32
40A	1P	NB1-63B1P40	NB1-63C1P40	NB1-63D1P40
50A	1P	NB1-63B1P50	NB1-63C1P50	NB1-63D1P50
63A	1P	NB1-63B1P63	NB1-63C1P63	NB1-63D1P63



NB1, 1P

2 POLE, 6KA

Boxed in 6s

In (A)	POLE	B CURVE	C CURVE	D CURVE
1A	2P	NB1-63B2P01	NB1-63C2P01	NB1-63D2P01
2A	2P	NB1-63B2P02	NB1-63C2P02	NB1-63D2P02
3A	2P	NB1-63B2P03	NB1-63C2P03	NB1-63D2P03
4A	2P	NB1-63B2P04	NB1-63C2P04	NB1-63D2P04
6A	2P	NB1-63B2P06	NB1-63C2P06	NB1-63D2P06
10A	2P	NB1-63B2P10	NB1-63C2P10	NB1-63D2P10
16A	2P	NB1-63B2P16	NB1-63C2P16	NB1-63D2P16
20A	2P	NB1-63B2P20	NB1-63C2P20	NB1-63D2P20
25A	2P	NB1-63B2P25	NB1-63C2P25	NB1-63D2P25
32A	2P	NB1-63B2P32	NB1-63C2P32	NB1-63D2P32
40A	2P	NB1-63B2P40	NB1-63C2P40	NB1-63D2P40
50A	2P	NB1-63B2P50	NB1-63C2P50	NB1-63D2P50
63A	2P	NB1-63B2P63	NB1-63C2P63	NB1-63D2P63



NB1, 2P

Independently Tested and Approved by:



NB1 SERIES, 6KA MCBs

3 POLE, 6KA

Boxed in 4s

In (A)	POLE	B CURVE	C CURVE	D CURVE
1A	3P	NB1-63B3P01	NB1-63C3P01	NB1-63D3P01
2A	3P	NB1-63B3P02	NB1-63C3P02	NB1-63D3P02
3A	3P	NB1-63B3P03	NB1-63C3P03	NB1-63D3P03
4A	3P	NB1-63B3P04	NB1-63C3P04	NB1-63D3P04
6A	3P	NB1-63B3P06	NB1-63C3P06	NB1-63D3P06
10A	3P	NB1-63B3P10	NB1-63C3P10	NB1-63D3P10
16A	3P	NB1-63B3P16	NB1-63C3P16	NB1-63D3P16
20A	3P	NB1-63B3P20	NB1-63C3P20	NB1-63D3P20
25A	3P	NB1-63B3P25	NB1-63C3P25	NB1-63D3P25
32A	3P	NB1-63B3P32	NB1-63C3P32	NB1-63D3P32
40A	3P	NB1-63B3P40	NB1-63C3P40	NB1-63D3P40
50A	3P	NB1-63B3P50	NB1-63C3P50	NB1-63D3P50
63A	3P	NB1-63B3P63	NB1-63C3P63	NB1-63D3P63



NB1, 3P

4 POLE, 6KA

Boxed in 3s

In (A)	POLE	B CURVE	C CURVE	D CURVE
1A	4P	NB1-63B4P01	NB1-63C4P01	NB1-63D4P01
2A	4P	NB1-63B4P02	NB1-63C4P02	NB1-63D4P02
3A	4P	NB1-63B4P03	NB1-63C4P03	NB1-63D4P03
4A	4P	NB1-63B4P04	NB1-63C4P04	NB1-63D4P04
6A	4P	NB1-63B4P06	NB1-63C4P06	NB1-63D4P06
10A	4P	NB1-63B4P10	NB1-63C4P10	NB1-63D4P10
16A	4P	NB1-63B4P16	NB1-63C4P16	NB1-63D4P16
20A	4P	NB1-63B4P20	NB1-63C4P20	NB1-63D4P20
25A	4P	NB1-63B4P25	NB1-63C4P25	NB1-63D4P25
32A	4P	NB1-63B4P32	NB1-63C4P32	NB1-63D4P32
40A	4P	NB1-63B4P40	NB1-63C4P40	NB1-63D4P40
50A	4P	NB1-63B4P50	NB1-63C4P50	NB1-63D4P50
63A	4P	NB1-63B4P63	NB1-63C4P63	NB1-63D4P63



NB1, 4P

Independently Tested and Approved by:



NBH8 SERIES, 1P+N MCBs

NBH8 1P+N MCBs Boxed in 12s

B CURVE	PART NO.
1A	NBH8-40-B01
2A	NBH8-40-B02
3A	NBH8-40-B03
4A	NBH8-40-B04
6A	NBH8-40-B06
10A	NBH8-40-B10
16A	NBH8-40-B16
20A	NBH8-40-B20
25A	NBH8-40-B25
32A	NBH8-40-B32
40A	NBH8-40-B40

NBH8 1P+N MCBs Boxed in 12s

C CURVE	PART NO.
1A	NBH8-40-C01
2A	NBH8-40-C02
3A	NBH8-40-C03
4A	NBH8-40-C04
6A	NBH8-40-C06
10A	NBH8-40-C10
16A	NBH8-40-C16
20A	NBH8-40-C20
25A	NBH8-40-C25
32A	NBH8-40-C32
40A	NBH8-40-C40



NBH8

- Live and Neutral in an 18mm wide device
- B and C curves
- 1A – 40A

Independently Tested and Approved by:



DZ158 SERIES, 10KA HIGH CURRENT MCBs

1 POLE

Boxed in 12s

DESCRIPTION	PART NO.
63A	DZ158-1-63A
80A	DZ158-1-80A
100A	DZ158-1-100A
125A	DZ158-1-125A



DZ158, 1P

- 1 Pole 27mm wide
- 2 Pole 54mm wide
- 3 Pole 81mm wide
- 4 Pole 108mm wide

2 POLE

Boxed in 6s

DESCRIPTION	PART NO.
63A	DZ158-2-63A
80A	DZ158-2-80A
100A	DZ158-2-100A
125A	DZ158-2-125A



DZ158, 2P

3 POLE

Boxed in 4s

DESCRIPTION	PART NO.
63A	DZ158-3-63A
80A	DZ158-3-80A
100A	DZ158-3-100A
125A	DZ158-3-125A



DZ158, 3P

4 POLE

Boxed in 3s

DESCRIPTION	PART NO.
80A	DZ158-4-80A
100A	DZ158-4-100A
125A	DZ158-4-125A



DZ158, 4P

Independently Tested and Approved by:



AUXILIARIES FOR HIGH CURRENT DZ158 MCBs

DESCRIPTION	PART NO.
1 NO + 1 NC Aux. Switch (for DZ158s)	AX-1



AX-1

MCB ACCESSORIES

MCB BLANKS

DESCRIPTION	PART NO.
DIN Rail Mounted Blanking Plate	SBLK01
Blank for NXDB	NXDB-BP



SBLK01



NXDB-BP

AUXILIARIES FOR NB1, NBH8, NB3LEU, NB3LE & NB1L

DESCRIPTION	PART NO.
Auxiliary Contacts	XF9
C/O Alarm Auxiliary Contact	XF9J
230V Shunt Trip	S9
230V Under Voltage Release	V9



XF9



XF9J



S9



V9

BUS BAR (per 1 metre length)

DESCRIPTION	PART NO.
1 Pole MCB Pin Bus Bar	BB01
1 Pole MCB Fork Bus Bar	BB01/F
2 Pole MCB Pin Bus Bar	BB02
2 Pole MCB Fork Bus Bar	BB02/F
3 Pole MCB Pin Bus Bar	BB03
3 Pole MCB Fork Bus Bar	BB03/F
100A 4 Pole Pin Bus Bar MCB	BB04
End Caps to suit BB01	BB01/FE
End Caps to suit BB02	BB02/FE
End Caps to suit BB03	BB03/FE
End Caps to suit BB04	BB04/FE
1 Pole Pin Bus Bar for NBH8	BB01-63



BB01



BB01/F

35mm TOP HAT SECTION DIN RAIL

DESCRIPTION	PART NO.
1m length Din Rail	DR1
2m length Din Rail	DR2



DR1

- Available in 1m and 2m stock lengths with 6mm wide centre slots

NL1 SERIES, TYPE AC RCDs

RCD, 2 POLE, AC TYPE

DESCRIPTION	POLE	PART NO.
25A 30mA	2P	NL1-63-225/30
25A 100mA	2P	NL1-63-225/100
25A 300mA	2P	NL1-63-225/300
40A 30mA	2P	NL1-63-240/30
40A 100mA	2P	NL1-63-240/100
40A 300mA	2P	NL1-63-240/300
63A 30mA	2P	NL1-63-263/30
63A 100mA	2P	NL1-63-263/100
63A 300mA	2P	NL1-63-263/300
80A 30mA	2P	NL1-100-280/30
80A 100mA	2P	NL1-100-280/100
80A 300mA	2P	NL1-100-280/300
100A 30mA	2P	NL1-100-2100/30
100A 100mA	2P	NL1-100-2100/100
100A 300mA	2P	NL1-100-2100/300



NL1-63-2P

RCD, 4 POLE, AC TYPE

DESCRIPTION	POLE	PART NO.
25A 30mA	4P	NL1-63-425/30
25A 100mA	4P	NL1-63-425/100
25A 300mA	4P	NL1-63-425/300
40A 30mA	4P	NL1-63-440/30
40A 100mA	4P	NL1-63-440/100
40A 300mA	4P	NL1-63-440/300
63A 30mA	4P	NL1-63-463/30
63A 300mA	4P	NL1-63-463/300
80A 100mA	4P	NL1-100-480/100
80A 300mA	4P	NL1-100-480/300
100A 100mA	4P	NL1-100-4100/100
100A 300mA	4P	NL1-100-4100/300



NL1-63-4P

Independently Tested and Approved by:



NL1 SERIES, TYPE A RCDs

RCD, 2 POLE, A TYPE

DESCRIPTION	TYPE	POLE	PART NO.
25A 30mA	A	2P	NL1-63-225/30-A
25A 300mA	A	2P	NL1-63-225/300-A
40A 30mA	A	2P	NL1-63-240/30-A
63A 100mA	A	2P	NL1-63-263/100-A
63A 30mA	A	2P	NL1-63-263/30-A



NL1-63-225

RCD, 4 POLE, A TYPE

DESCRIPTION	TYPE	POLE	PART NO.
25A 30mA	A	4P	NL1-63-425/30-A
40A 100mA	A	4P	NL1-63-440/100-A
40A 30mA	A	4P	NL1-63-440/30-A
40A 300mA	A	4P	NL1-63-440/300-A
63A 100mA	A	4P	NL1-63-463/100-A
63A 30mA	A	4P	NL1-63-463/30-A
63A 300mA	A	4P	NL1-63-463/300-A
80A 100mA	A	4P	NL1-100-480/100-A
100A 100mA	A	4P	NL1-100-4100/100-A



NL1-63-463

Independently Tested and Approved by:



TIME DELAY RCDs, TYPE A

TIME DELAY RCDs, 2 POLE, A TYPE

DESCRIPTION	TYPE	POLE	PART NO.
80A 100mA	A	2P	NL1-100-280/100-S
100A 100mA	A	2P	NL1-100-2100/100-S
100A 300mA	A	2P	NL1-100-2100/300-S



NL1-100

TIME DELAY RCDs, 4 POLE, A TYPE

DESCRIPTION	TYPE	POLE	PART NO.
80A 100mA	A	4P	NL1-100-480/100-S
100A 100mA	A	4P	NL1-100-4100/100-S
100A 300mA	A	4P	NL1-100-4100/300-S

- Chint 100mA Time Delayed RCDs are used where total RCD protection is required to supplement the system earthing and where local 30mA RCDs are used to provide additional protection against direct contact
- The 300mA Time Delayed RCD will discriminate against the standard 30mA RCD
- Independently tested and approved to EN61008-1

Independently Tested and Approved by:



NL210 SERIES, TYPE B RCDs

NL210 RCD, 2 POLE, B TYPE

DESCRIPTION	TYPE	POLE	PART NO.
63A 30mA	B	2P	NL210-63-263/30
63A 100mA	B	2P	NL210-63-263/100
63A 300mA	B	2P	NL210-63-263/300



NL210, 2P



NL210, 4P

NL210 RCD, 4 POLE, B TYPE

DESCRIPTION	TYPE	POLE	PART NO.
63A 30mA	B	4P	NL210-63-463/30
63A 100mA	B	4P	NL210-63-463/100
63A 300mA	B	4P	NL210-63-463/300

Independently Tested and Approved by:



- Tripping is ensured for sinusoidal AC residual currents pulsed DC residual currents, alternating residual sinusoidal currents up to 1000Hz, pulsating direct residual currents and for smooth direct residual currents, whether applied suddenly or increasing slowly
- Independently tested and approved to IEC/EN 62423 & IEC/EN 61008-1

RCD SOCKETS & SPURS

2 GANG RCD SOCKET - PLASTIC

DESCRIPTION	MATERIAL	PART NO.
RCD Fused Spur	Plastic	SNE3-1130FS
1 Gang, Switched RCD Socket	Plastic	SNE3-1130SP
2 Gang, Switched RCD Socket	Plastic	SNE3-1230SP
RCD Fused Spur with Surface Mount Box	Metal	SNE3-2130FS
1 Gang, Switched RCD Socket with Surface Mount Box	Metal	SNE3-2130SM
2 Gang, Switched RCD Socket with Surface Mount Box	Metal	SNE3-2230SM

- Type A
- 30mA Rated Tripping current
- Latching/Passive RCD
- Double Pole Contact Break
- 1500A Short circuit



SNE3-1130FS



SNE3-1130SP



SNE3-1230SP



SNE3-2130FS



SNE3-2130SM

For more options see our **Wiring Accessories Catalogue**



SWP8613



SWP8623



SNE3-2230SM

RCBOs

NB3LE, 6KA RCBO

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB3LE-B06	NB3LE-C06
10A 30mA	NB3LE-B10	NB3LE-C10
16A 30mA	NB3LE-B16	NB3LE-C16
20A 30mA	NB3LE-B20	NB3LE-C20
25A 30mA	NB3LE-B25	NB3LE-C25
32A 30mA	NB3LE-B32	NB3LE-C32



NB3LE

NB310L, 2P (36mm wide) RCBO

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB310L-2P-B06	NB310L-2P-C06
10A 30mA	NB310L-2P-B10	NB310L-2P-C10
16A 30mA	NB310L-2P-B16	NB310L-2P-C16
20A 30mA	NB310L-2P-B20	NB310L-2P-C20
25A 30mA	NB310L-2P-B25	NB310L-2P-C25
32A 30mA	NB310L-2P-B32	NB310L-2P-C32



NB310L

NB2LE, 1P+N (18mm wide) RCBO, A TYPE

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB2LE-B06	NB2LE-C06
10A 30mA	NB2LE-B10	NB2LE-C10
16A 30mA	NB2LE-B16	NB2LE-C16
20A 30mA	NB2LE-B20	NB2LE-C20
25A 30mA	NB2LE-B25	NB2LE-C25



NB2LE

NB1L, 1P+N (36mm wide) RCBO, A TYPE

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB1L-B06	NB1L-C06
10A 30mA	NB1L-B10	NB1L-C10
16A 30mA	NB1L-B16	NB1L-C16
20A 30mA	NB1L-B20	NB1L-C20
25A 30mA	NB1L-B25	NB1L-C25
32A 30mA	NB1L-B32	NB1L-C32
40A 30mA	NB1L-B40	NB1L-C40



NB1L

NB310L, 3P+N (72mm wide) RCBO, A TYPE

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB310L-3N-B06	NB310L-3N-C06
10A 30mA	NB310L-3N-B10	NB310L-3N-C10
16A 30mA	NB310L-3N-B16	NB310L-3N-C16
20A 30mA	NB310L-3N-B20	NB310L-3N-C20
25A 30mA	NB310L-3N-B25	NB310L-3N-C25
32A 30mA	NB310L-3N-B32	NB310L-3N-C32
40A 30mA	NB310L-3N-B40	NB310L-3N-C40



NB310L

NB3LEU, RCB0s TYPE AC & TYPE A

NB3LEU, 10KA, 1P+N, Type AC

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB3LEU-B06	NB3LEU-C06
10A 30mA	NB3LEU-B10	NB3LEU-C10
16A 30mA	NB3LEU-B16	NB3LEU-C16
20A 30mA	NB3LEU-B20	NB3LEU-C20
25A 30mA	NB3LEU-B25	NB3LEU-C25
32A 30mA	NB3LEU-B32	NB3LEU-C32
40A 30mA	NB3LEU-B40	NB3LEU-C40
45A 30mA	NB3LEU-B45	NB3LEU-C45
50A 30mA	NB3LEU-B50	NB3LEU-C50



NB3LEU

NB3LEG, 6KA, 1P+N, Type A

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB3LEG-B06	NB3LEG-C06
10A 30mA	NB3LEG-B10	NB3LEG-C10
16A 30mA	NB3LEG-B16	NB3LEG-C16
20A 30mA	NB3LEG-B20	NB3LEG-C20
25A 30mA	NB3LEG-B25	NB3LEG-C25
32A 30mA	NB3LEG-B32	NB3LEG-C32
40A 30mA	NB3LEG-B40	NB3LEG-C40



NB3LEG

ARC FAULT DETECTION AFDDs

NB3LE-AFD, 1P+N (18mm WIDE), 6KA

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB3LE-AFD-B06	NB3LE-AFD-C06
10A 30mA	NB3LE-AFD-B10	NB3LE-AFD-C10
16A 30mA	NB3LE-AFD-B16	NB3LE-AFD-C16
20A 30mA	NB3LE-AFD-B20	NB3LE-AFD-C20
25A 30mA	NB3LE-AFD-B25	NB3LE-AFD-C25
32A 30mA	NB3LE-AFD-B32	NB3LE-AFD-C32



NB3LE-AFD



NB4LE-AFD

NB4LE-AFD, 2P WITH BREAKING NEUTRAL (54mm WIDE), 6KA

DESCRIPTION	B CURVE	C CURVE
6A 30mA	NB4LE-AFD-B06	NB4LE-AFD-C06
10A 30mA	NB4LE-AFD-B10	NB4LE-AFD-C10
16A 30mA	NB4LE-AFD-B16	NB4LE-AFD-C16
20A 30mA	NB4LE-AFD-B20	NB4LE-AFD-C20
25A 30mA	NB4LE-AFD-B25	NB4LE-AFD-C25
32A 30mA	NB4LE-AFD-B32	NB4LE-AFD-C32

- All in one design – Arc fault detection circuit-breakers with over-current and earth fault tripping
- Compliant to BS-EN 61009-1 / BS-EN 62606
- Type A class earth fault tripping
- B & C curve ratings

*NB4LE BK & CK curve ratings available from the factory.

Independently Tested and Approved by:



NH4 ISOLATORS

NH4 ISOLATORS

DESCRIPTION	POLE	PART NO.
100A	1P	NH4-80108
100A	2P	NH4-80208
100A	3P	NH4-80308
100A	4P	NH4-80408
125A	1P	NH4-90108
125A	2P	NH4-90208
125A	3P	NH4-90308
125A	4P	NH4-90408



NH4-80208



NH4-80408

- 1 Pole boxed in 12s
- 2 Pole boxed in 6s
- 3 Pole boxed in 4s
- 4 Pole boxed in 3s

Independently Tested and Approved by:



ENCLOSED ROTARY ISOLATORS

AC ENCLOSED ROTARY ISOLATORS

DESCRIPTION	POLE	PART NO.
20A	3P	SRS-320
32A	3P	SRS-332
63A	3P	SRS-362
100A	3P	SRS-3100
20A	4P	SRS-420
32A	4P	SRS-432
63A	4P	SRS-463
125A	4P	SRS-4100



SRS-432

DC ENCLOSED ROTARY ISOLATORS

DESCRIPTION	PART NO.
25A	SDS-25

- 4 weatherproof glands included
- IP65
- DC version up to 450V
- Up to 3 "Lock Off Padlocks" can be fitted to any device



SDS-25

SRE ISOLATORS

SRE ISOLATORS

DESCRIPTION	POLE	PART NO.
25A	3P	SRE-325
40A	3P	SRE-340
63A	3P	SRE-363
100A	3P	SRE-3100
25A	4P	SRE-425
40A	4P	SRE-440
63A	4P	SRE-463
100A	4P	SRE-4100



SRE-463

- 3 or 4 switched poles
- AC-23A, AC-3 classification
- Panel/DIN rail mount, door interlocked

MCCB TYPE ISOLATOR

DESCRIPTION	POLE	PART NO.
200A	4P Isolator	NH18-250/200/4
250A	3P Isolator	NH18-250/250/3
250A	4P Isolator	NH18-250/250/4
400A	3P Isolator	NH18-630/400/3
400A	4P Isolator	NH18-630/400/4



NH18

NM1T ENCLOSED ISOLATOR

DESCRIPTION	POLE	PART NO.
250A	3P and Neutral Link	NM1T-250/3N/IS
250A	4P	NM1T-250/4P/IS
400A	3P and Neutral Link	NM1T-400/3N/IS
400A	4P	NM1T-400/4P/IS



NM1T

TYPE 1+2 & TYPE 2 SURGE ARRESTORS

- Modular SPDs to IEC/EN 61643-11
- Replaceable protection modules
- 18mm per module
- Remote changeover signalling contact - rated at 0.5A
- Green/Red Working indication/Fault indication
- Consult the latest edition Wiring Regulations for choosing correct SPD

TYPE I+II SURGE ARRESTORS

PART NO. NXU-1/2/F-1PN			
Connection Type (1+1 configuration)			
Maximum Impulse current (10/350µs) Iimp	[L-N / N-PE]	(kA)	12.5 / 25
Nominal Discharge current (8/20µs) In	[L-N / N-PE]	(kA)	25 / 30
Maximum Discharge current (8/20µs) Imax	[L-N / N-PE]	(kA)	50 / 40
Voltage Protection Level (UP)		(kV)	1.5
PART NO. NXU-1/2/F-3PN			
Connection Type (3+1 configuration)			
Maximum Impulse current (10/350µs) Iimp	[L-N / N-PE]	(kA)	12.5 / 50
Nominal Discharge current (8/20µs) In	[L-N / N-PE]	(kA)	25 / 50
Maximum Discharge current (8/20µs) Imax	[L-N / N-PE]	(kA)	50 / 50
Voltage Protection Level (UP)		(kV)	1.5



NXU-1/2/F-1PN



NXU-1/2/F-3PN

TYPE II SURGE ARRESTORS

PART NO. NU6-II-G/F-1P			
Connection Type (1+0 configuration)			
Nominal Discharge current (8/20µs) In	[L-PE]	(kA)	20
Maximum Discharge current (8/20µs) Imax	[L-PE]	(kA)	40
Voltage Protection Level (UP)		(kV)	1.5
PART NO. NU6-II-G/F-1PN			
Connection Type (1+1 configuration)			
Nominal Discharge current (8/20µs) In	[L-N / N-PE]	(kA)	20 / 30
Maximum Discharge current (8/20µs) Imax	[L-N / N-PE]	(kA)	40 / 65
Voltage Protection Level (UP)		(kV)	1.5
PART NO. NU6-II-G/F-3P			
Connection Type (3+0 configuration)			
Nominal Discharge current (8/20µs) In	[L-PE]	(kA)	20
Maximum Discharge current (8/20µs) Imax	[L-PE]	(kA)	40
Voltage Protection Level (UP)		(kV)	1.5
PART NO. NU6-II-G/F-3PN			
Connection Type (3+1 configuration)			
Nominal Discharge current (8/20µs) In	[L-N / N-PE]	(kA)	20 / 30
Maximum Discharge current (8/20µs) Imax	[L-N / N-PE]	(kA)	40 / 65
Voltage Protection Level (UP)		(kV)	1.5



NU6-II-G/F-1P



NU6-II-G/F-1PN



NU6-II-G/F-3P



NU6-II-G/F-3PN

MODULAR EMPTY ENCLOSURES

METAL CLAD EMPTY ENCLOSURES

DESCRIPTION	PART NO.
2 Modules Metal Enclosure c/w DIN Rail	NX3-2
3 Modules Metal Enclosure c/w DIN Rail	NX3-3
4 Modules Metal Enclosure c/w DIN Rail	NX3-4
5 Modules Metal Enclosure c/w DIN Rail	NX3-5
6 Modules Metal Enclosure c/w DIN Rail	NX3-6



NX1-3



NX3-6

The NX3s are designed to comply to the new 3rd Amendment BS7671:2008 and BS EN 61439-3. The entire range is tested and approved to those standards by independent third parties.

Empty enclosures used for by customers who might want to add specialised equipment such as Meters, Contactors and Protection devices.

- Single Phase - Ratings up to 100A

IP65 EMPTY ENCLOSURES

DESCRIPTION	PART NO.
3 Modules Enclosure c/w DIN Rail	NXW1-3
5 Modules Enclosure c/w DIN Rail	NXW1-5

NXW comply with IEC/EN 60439-3



NXW1-3



NXW1-5

- Single Phase - Ratings up to 63A

PRE-ASSEMBLED MODULAR ENCLOSURES

EV UNIT

DESCRIPTION	PART NO.
2 Mod Metal Enclosure with C40, 30mA, Type A RCBO	NX3-2EV40

- 40A overcurrent protect/30mA type A RCD protection
- 2 Module unit allows installation where space is limited
- No intanal wiring required, simply connect supply and load
- Both Line and Neutral open in the event of a fault
- Product standard IEN/EN 610091



NX3-2EV40

100A FUSED SWITCH UNIT

DESCRIPTION	PART NO.
4 Module SP & N Fused Switch Unit	NX3-4-100FS

- Comes with 63A, 80A and 100A fuses
- Various knockouts on all sides
- 35mm² cable size
- Product standard BS EN 60947-3



NX3-4-100FS

SPD UNIT

DESCRIPTION	PART NO.
4 Module with Main Switch and Type 2 3+N SPD	NX3-4-100SPD

- Type 2 SPD suitable for TN-S, TN-C-S and TT earthing arrangements
- 100A Main Switch provides a single point of isolation when protecting multiple units
- Product standard IEN/EN 60947-3



NX3-4-100SPD

CHINT SHIELD

CHINT EUROPE (UK) LTD

Motor Control Gear Components

- Factory Automation Solutions
- Control Panel Devices
- Switching Components



CHINT SHIELD. Powering The World

AC COIL CONTACTORS, 3 & 4 MAIN POLES

Please specify Part Number **plus** Coil Voltage:
24VAC, 48VAC, 110VAC, 230VAC, 415VAC

- AC1 rated contactors are used for less inductive loads such as resistive loads such as heating elements
- AC3 rated contactors are used for high inductive loads such as Motors

NC6 SERIES, 3P & 4P

DESCRIPTION	AC1	AC3	KW	PART NO.
3 NO Main + 1 NO Aux	20A	9A	4	NC6-0910-*
3 NO Main + 1 NC Aux	20A	9A	4	NC6-0901-*
4 NO Main Poles	20A	9A	4	NC6-0904-*
2 NO + 2 NC Main Poles	20A	9A	4	NC6-0908-*



NC6-0910-110V

NC1 SERIES, 3P

DESCRIPTION	AC1	AC3	KW	PART NO.
3 MAIN & 1 NO AUXILIARY CONTACT				
3 Main + 1 NO Aux	20A	9A	4	NC1-0910-*
3 Main + 1 NO Aux	20A	12A	5.5	NC1-1210-*
3 Main + 1 NO Aux	32A	18A	7.5	NC1-1810-*
3 Main + 1 NO Aux	40A	25A	11	NC1-2510-*
3 Main + 1 NO Aux	50A	32A	15	NC1-3210-*
3 MAIN & 1 NC AUXILIARY CONTACT				
3 Main + 1 NC Aux	20A	9A	4	NC1-0901-*
3 Main + 1 NC Aux	20A	12A	5.5	NC1-1201-*
3 Main + 1 NC Aux	32A	18A	7.5	NC1-1801-*
3 Main + 1 NC Aux	40A	25A	11	NC1-2501-*
3 Main + 1 NC Aux	50A	32A	15	NC1-3201-*
3 MAIN & 1 NO + 1 NC AUXILIARY CONTACT				
3 Main + 1 NO + 1 NC Aux	60A	40A	18.5	NC1-4011-*
3 Main + 1 NO + 1 NC Aux	80A	50A	22	NC1-5011-*
3 Main + 1 NO + 1 NC Aux	95A	65A	30	NC1-6511-*
3 Main + 1 NO + 1 NC Aux	95A	80A	37	NC1-8011-*
3 Main + 1 NO + 1 NC Aux	95A	95A	45	NC1-9511-*



NC1-0910-415V

Independently Tested and Approved by:



AC COIL CONTACTORS, 3 & 4 MAIN POLES

NC1 SERIES, 4P

DESCRIPTION	AC1	AC3	KW	PART NO.
4 NO MAIN POLES				
4 NO Main Poles	20A	9A	4	NC1-0904-*
4 NO Main Poles	20A	12A	5.5	NC1-1204-*
4 NO Main Poles	40A	25A	11	NC1-2504-*
4 NO Main Poles	60A	40A	18.5	NC1-4004-*
4 NO Main Poles	80A	50A	22	NC1-5004-*
4 NO Main Poles	80A	65A	30	NC1-6504-*
4 NO Main Poles	95A	80A	37	NC1-8004-*
4 NO Main Poles	95A	95A	45	NC1-9504-*
4 MAIN POLES (2 NO & 2 NC)				
2 NO + 2 NC Main Poles	20A	9A	4	NC1-0908-*
2 NO + 2 NC Main Poles	20A	12A	5.5	NC1-1208-*
2 NO + 2 NC Main Poles	40A	25A	11	NC1-2508-*
2 NO + 2 NC Main Poles	60A	40A	18.5	NC1-4008-*
2 NO + 2 NC Main Poles	80A	50A	22	NC1-5008-*
2 NO + 2 NC Main Poles	80A	65A	30	NC1-6508-*
2 NO + 2 NC Main Poles	95A	80A	37	NC1-8008-*
2 NO + 2 NC Main Poles	95A	95A	45	NC1-9508-*



NC1-0904-230V

Please specify Part Number **plus** Coil Voltage:
110VAC, 230VAC, 415VAC

NC2 SERIES, 3P & 4P

DESCRIPTION	AC1	AC3	KW	PART NO.
3 NO MAIN POLES				
3 NO Main Poles	200A	115A	55	NC2-115-*
3 NO Main Poles	200A	150A	75	NC2-150-*
3 NO Main Poles	275A	185A	90	NC2-185-*
3 NO Main Poles	275A	225A	110	NC2-225-*
3 NO Main Poles	315A	265A	132	NC2-265-*
3 NO Main Poles	380A	330A	160	NC2-330-*
3 NO Main Poles	450A	400A	200	NC2-400-*
3 NO Main Poles	630A	500A	250	NC2-500-*
3 NO Main Poles	800A	630A	335	NC2-630-*
4 NO MAIN POLES				
4 NO Main Poles	200A	115A	55	NC2-11504-*
4 NO Main Poles	200A	150A	75	NC2-15004-*
4 NO Main Poles	275A	185A	90	NC2-18504-*
4 NO Main Poles	275A	225A	110	NC2-22504-*
4 NO Main Poles	315A	265A	132	NC2-26504-*
4 NO Main Poles	380A	330A	160	NC2-33004-*
4 NO Main Poles	450A	400A	200	NC2-40004-*
4 NO Main Poles	800A	630A	335	NC2-63004-*


 NC2-150-230V
 (See page 55 for Aux.)

(See page 56 for NC2 Terminal Shrouds)

DC COIL CONTACTORS

Please specify Part Number **plus** Coil Voltage:
24VDC, 48VDC, 110VDC

NC1 SERIES

DESCRIPTION	ELECTRICAL RATING	PART NO.
3 Main + 1 NO Aux	20A AC1, 9A AC3	NC1-0910Z-*
3 Main + 1 NC Aux	20A AC1, 9A AC3	NC1-0901Z-*
3 Main + 1 NO Aux	20A AC1, 12A AC3	NC1-1210Z-*
3 Main + 1 NC Aux	20A AC1, 12A AC3	NC1-1201Z-*
3 Main + 1 NO Aux	32A AC1, 18A AC3	NC1-1810Z-*
3 Main + 1 NC Aux	32A AC1, 18A AC3	NC1-1801Z-*
3 Main + 1 NO Aux	40A AC1, 25A AC3	NC1-2510Z-*
3 Main + 1 NC Aux	40A AC1, 25A AC3	NC1-2501Z-*
3 Main + 1 NO Aux	50A AC1, 32A AC3	NC1-3210Z-*
3 Main + 1 NC Aux	50A AC1, 32A AC3	NC1-3201Z-*
3 Main + 1 NO + 1 NC Aux	60A AC1, 40A AC3	NC1-4011Z-*
3 Main + 1 NO + 1 NC Aux	80A AC1, 50A AC3	NC1-5011Z-*
3 Main + 1 NO + 1 NC Aux	80A AC1, 65A AC3	NC1-6511Z-*
3 Main + 1 NO + 1 NC Aux	95A AC1, 80A AC3	NC1-8011Z-*
3 Main + 1 NO + 1 NC Aux	95A AC1, 95A AC3	NC1-9511Z-*



NC1-0910Z-24V

POWER FACTOR CORRECTION CONTACTORS

Please specify Part Number **plus** Coil Voltage:
110VAC, 230VAC

POWER FACTOR CORRECTION CONTACTORS

DESCRIPTION	A	KVAR @ 230V @415V		PART NO.
3 Main + 1 NO + 1 NC Aux	17A	6	12	CJ19-2511-*
3 Main + 1 NO + 1 NC Aux	23A	9	18	CJ19-3211-*
3 Main + 1 NO + 1 NC Aux	29A	10	20	CJ19-4311-*
3 Main + 1 NO + 1 NC Aux	43A	15	30	CJ19-6311-*
3 Main + 1 NO + 1 NC Aux	63A	22	40	CJ19-9511-*



CJ19-25-11-230V

THERMAL OVERLOAD RELAYS

THERMAL OVERLOAD RELAYS FOR NC6 SERIES

DESCRIPTION		PART NO.
0.10A - 0.16A	NC6	NR2-11.5/0.16
0.16A - 0.25A	NC6	NR2-11.5/0.25
0.25A - 0.40A	NC6	NR2-11.5/0.40
0.40A - 0.63A	NC6	NR2-11.5/0.63
0.63A - 1.00A	NC6	NR2-11.5/1.00
1.00A - 1.60A	NC6	NR2-11.5/1.60
1.25A - 2.00A	NC6	NR2-11.5/2.00
1.60A - 2.50A	NC6	NR2-11.5/2.50
2.50A - 4.00A	NC6	NR2-11.5/4.00
4.00A - 6.00A	NC6	NR2-11.5/6.00
5.50A - 8.00A	NC6	NR2-11.5/8.00
7.00A -10.00A	NC6	NR2-11.5/10.00
9.00A - 13.00A	NC6	NR2-11.5/13.00

(NR2-11.5 Thermal Overloads will also fit NC1-09 to NC1-12 Contactors)



NR2-11.5



NR2-25

THERMAL OVERLOAD RELAYS FOR NC1 SERIES

DESCRIPTION	FRAME SIZE	PART NO.
0.10A - 0.16A	NC1-09 to NC1-32	NR2-25-0.16
0.16A - 0.25A	NC1-09 to NC1-32	NR2-25-0.25
0.25A - 0.40A	NC1-09 to NC1-32	NR2-25-0.40
0.40A - 0.63A	NC1-09 to NC1-32	NR2-25-0.63
0.63A - 1.00A	NC1-09 to NC1-32	NR2-25-1.00
1.00A - 1.60A	NC1-09 to NC1-32	NR2-25-1.60
1.25A - 2.00A	NC1-09 to NC1-32	NR2-25-2
1.60A - 2.50A	NC1-09 to NC1-32	NR2-25-2.5
2.50A - 4.00A	NC1-09 to NC1-32	NR2-25-4
4.00A - 6.00A	NC1-09 to NC1-32	NR2-25-6
5.50A - 8.00A	NC1-09 to NC1-32	NR2-25-8
7.00A - 10.00A	NC1-09 to NC1-32	NR2-25-10
9.00A - 13.00A	NC1-09 to NC1-32	NR2-25-13
12.00A - 18.00A	NC1-09 to NC1-32	NR2-25-18
17.00A - 25.00A	NC1-09 to NC1-32	NR2-25-25
23.00A - 32.00A	NC1-09 to NC1-32	NR2-25-32
23.00A - 32.00A	NC1-32	NR2-36-32
28.00A - 36.00A	NC1-32	NR2-36-36
30.00A - 40.00A	NC1-40 to NC1-95	NR2-93-40
37.00A - 50.00A	NC1-40 to NC1-95	NR2-93-50
48.00A - 65.00A	NC1-40 to NC1-95	NR2-93-65
55.00A - 70.00A	NC1-40 to NC1-95	NR2-93-70
63.00A - 80.00A	NC1-40 to NC1-95	NR2-93-80
80.00A - 93.00A	NC1-40 to NC1-95	NR2-93-93



NR2-36



NR2-93

CONTACTOR ACCESSORIES

THERMAL OVERLOAD RELAYS FOR NC2 SERIES

DESCRIPTION	PART NO.
80A - 125A	NR2-200G-125
100A - 160A	NR2-200G-160
125A - 200A	NR2-200G-200
160A - 250A	NR2-630G-250
200A - 315A	NR2-630G-315
250A - 400A	NR2-630G-400
315A - 500A	NR2-630G-500
400A - 630A	NR2-630G-630



NR2-630

OVERLOAD MOUNTING BRACKETS

DESCRIPTION	PART NO.
To Fit NR2-11.5	NR2-D03
To Fit NR2-25, 0.10A - 25.00A	NR2-D13
To Fit NR2-36, 32.00A - 36.00A	NR2-D23
To Fit NR2-93, 40.00A - 93.00A	NR2-D33



NR2-D

PNEUMATIC TIMERS

DESCRIPTION	PART NO.
0.1s - 30s ON Delay	NC1-F5-T2
10s - 180s ON Delay	NC1-F5-T4
0.1s - 30s OFF Delay	NC1-F5-D2
10s - 180s OFF Delay	NC1-F5-D4



NC1-F5

MECHANICAL INTERLOCKS

DESCRIPTION	PART NO.
To Fit NC1-09 to NC1-32, 3P/4P	NC1M09-32
To Fit NC1-40 to NC1-65, 3P/4P	NC1M40-65
To Fit NC1-80 to NC1-95, 3P	NC1M80-95
To Fit NC2-115 to NC2-150	NC2IL-01
To Fit NC2-185 to NC2-225	NC2IL-02
To Fit NC2-265 to NC2-500	NC2IL-03
To Fit NC2-630	NC2IL-04

CONTACTOR ACCESSORIES

AC SPARE COILS FOR NC1 *SPECIFY VOLTAGE* 24V, 48V, 110V, 240V or 415V

DESCRIPTION	PART NO.
Coils for NC1-09 - NC1-18	NC1-12SC-*
Coils for NC1-25 - NC1-32	NC1-32SC-*
Coils for NC1-40 - NC1-65 , NC1-95	NC1-40SC-*



NC1-32SC-110V

AC SPARE COILS FOR NC2 *SPECIFY VOLTAGE* 110V, 240V or 415V

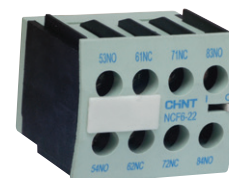
DESCRIPTION	PART NO.
Coils for NC2-115 - NC2-150	NC2-FF-*
Coils for NC2-185 - NC2-225	NC2-FG-*
Coils for NC2-265	NC2-FH-*
Coils for NC2-330	NC2-FI-*
Coils for NC2-400	NC2-FJ-*
Coils for NC2-500	NC2-FK-*
Coils for NC2-600	NC2-FL-*



NC2-FL-415V

NC6 HEAD MOUNT AUXILIARY CONTACT BLOCKS

DESCRIPTION	PART NO.
2 NC Contacts	NCF6-02
2 NO Contacts	NCF6-20
1 NO + 1 NC Contacts	NCF6-11
4 NC Contacts	NCF6-04
4 NO Contacts	NCF6-40
1 NO + 3 NC Contacts	NCF6-13
3 NO + 1 NC Contacts	NCF6-31
2 NO + 2 NC Contacts	NCF6-22



NCF6-22

NC1 & NC2 HEAD MOUNT AUXILIARY CONTACT BLOCKS

DESCRIPTION	PART NO.
2 NC Contacts	NC1-F402
2 NO Contacts	NC1-F420
1 NO + 1 NC Contacts	NC1-F411
2 NO + 2 NC Contacts	NC1-F422
4 NC Contacts	NC1-F404
4 NO Contacts	NC1-F440
1 NO + 3 NC Contacts	NC1-F413
2 NO + 2 NC Contacts	NC1-F431



NC1-F402



NC1-F440

CONTACTOR ACCESSORIES

TERMINAL COVER FOR NC2

DESCRIPTION	PART NO.
Terminal Cover to fit NC2-115	NC2-115-TC
Terminal Cover to fit NC2-150 to NC2-185	NC2-185-TC
Terminal Cover to fit NC2-225 to NC2-500	NC2-500-TC
Terminal Cover to fit NC2-630	NC2-630-TC



NC2-TC

NC1 AUXILIARY SIDE MOUNT CONTACT BLOCK

DESCRIPTION	PART NO.
1 NO + 1 NC Contacts	NCF1-11C



NCF1-11C

DC SPARE COILS FOR NC1 *SPECIFY VOLTAGE* 24V, 48V or 110V

DESCRIPTION	PART NO.
DC Coil for NC1-09Z - 18Z	NC1-12SC-Z-*
DC Coil for NC1-25Z - 32Z	NC1-32SC-Z-*
DC Coil for NC1-40Z - 95Z	NC1-40SC-Z-*

CHINT SHIELD

Motor Protection Devices

- Standard ratings from 12A, 6KW to 70A, 40KW
- DOLs, Reversers & Star Deltas, with & without Isolators
- 230V – 415V Control
- Enclosed or mounted to a back plate
- Specials including Stainless Steel cases quoted when required



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MANUAL MOTOR STARTERS

MANUAL MOTOR STARTERS

DESCRIPTION	PART NO.
0.10 - 0.16A	NS2-25-0.16
0.16A - 0.25A	NS2-25-0.25
0.25A - 0.40A	NS2-25-0.40
0.50A - 0.63A	NS2-25-0.63
0.63A - 1.00A	NS2-25-1.00
1.00A - 1.60A	NS2-25-1.60
1.60A - 2.50A	NS2-25-2.50
2.50A - 4.00A	NS2-25-4.00
4.00A - 6.30A	NS2-25-6.30
6.30A - 10.00A	NS2-25-10
9.00A - 14.00A	NS2-25-14
12.00A - 18.00A	NS2-25-18
17.00A - 23.00A	NS2-25-23
20.00A - 25.00A	NS2-25-25
25.00A - 40.00A	NS2-80B-40
40.00A - 63.00A	NS2-80B-63
56.00A - 80.00A	NS2-80B-80



NS2-25

MANUAL MOTOR STARTERS ENCLOSURES

DESCRIPTION	PART NO.
IP65 Enclosure for NS2-25	NS2-25-MC
P65 Enclosure with Emergency Push Button for NS2-25 NS2-25	NS2-25-MC01



NS2 IP65 Enclosure

MANUAL MOTOR STARTER ACCESSORIES

DESCRIPTION	PART NO.
1 NO + 1 NC Head Mount Aux	NS2-25-AE11
2 NO Head Mount Aux	NS2-25-AE20
1 NO + 1 NC Side Mount Aux	NS2-25-AU11
2 NO Side Mount Auxs	NS2-25-AU20
1 NC + 1 NC Fault/Signal	NS2-25-FA0101
1 NC + 1 NO Fault/Signal	NS2-25-FA0110
1 NO + 1 NC Fault/Signal	NS2-25-FA1001
1 NO + 1 NO Fault/Signal	NS2-25-FA1010
110V Shunt Trip	NS2-25-SH110
230V Shunt Trip	NS2-25-SH220
110V Under Voltage Release	NS2-25-UV110
230V Under Voltage Release	NS2-25-UV230
400V Under Voltage Release	NS2-25-UV415
1 NO + 1 NC Side Mount Aux	NS2-80B-AU11
2 NO Side Mount Aux	NS2-80B-AU20



NS2-25-MC01

Chint Shield Motor Starters

With key components, i.e. Contactors, Overloads, 3rd party approved by top quality test houses such as VDE, SEMKO, you can be sure the Starters offered by Chint Shield meet local/UK requirements and will offer **excellent reliability**.

All of the range are supplied with metal bases, the smaller DOL ranges with plastic lids. A key strategy when introducing these products has been availability, realising that “Breakdowns” and an urgent requirement to get equipment back in to service is often a key customer requirement.

- Standard ratings from 12A, 6KW to 70A, 40KW
- With and without Isolators
- 230V – 415V Control
- Enclosed or assembled to a Backplate
- All metal boards finished to RAL 7035 light grey
- Overload Relays listed on back cover

DOL STARTERS WITHOUT ISOLATORS

5.5KW Max. ENCLOSED DOL STARTER (NO ISOLATOR)

DESCRIPTION		PART NO.		
110V Control Circuit		NQ3-5.5P-110V		
240V Control Circuit		NQ3-5.5P-240V		
415V Control Circuit		NQ3-5.5P-415V		
MOTOR KW	MOTOR FLC @240V	REQUIRED O/LOAD RELAY @240V	MOTOR FLC @415V	REQUIRED O/LOAD RELAY @415V
1.5KW	5.8A	NR2-25-6	3.4A	NR2-25-4
2.2KW	8.7A	NR2-25-10	5A	NR2-25-6
3.0KW	11A	NR2-25-13	6.5A	NR2-25-8
3.7KW	13A	NR2-25-18	8A	NR2-25-10
4.0KW	14A	NR2-25-18	8A	NR2-25-10
5.5KW	19A	NR2-25-25	11A	NR2-25-13

Overloads sold separately
(See page 53 for NR2 Overloads)



NQ3

- Metal base
- Plastic cover
- IP55

11KW Max. ENCLOSED DOL STARTER (NO ISOLATOR)

DESCRIPTION		PART NO.		
110V Control Circuit		NQ3-11P-110V		
240V Control Circuit		NQ3-11P-240V		
415V Control Circuit		NQ3-11P-415V		
MOTOR KW	MOTOR FLC @240V	REQUIRED O/LOAD RELAY @240V	MOTOR FLC @415V	REQUIRED O/LOAD RELAY @415V
7.5KW	25A	NR2-25-25	15A	NR2-25-18
9.3KW	32A	NR2-36-32	18A	NR2-25-25
10KW	34A	NR2-36-36	20A	NR2-25-25
11KW	37A	NR2-36-36	22A	NR2-25-25

Overloads sold separately
(See page 53 for NR2 Overloads)

Metal Clad Starters

DOL STARTERS WITHOUT ISOLATORS

2.2KW Max. SINGLE PHASE ENCLOSED DOL STARTER (NO ISOLATOR)

DESCRIPTION	PART NO.
240V Control Circuit	SQ4-2.2P-240V

7.5KW Max. ENCLOSED DOL STARTER (NO ISOLATOR)

DESCRIPTION	PART NO.
415V Control Circuit	SQ4-7.5P-415V

MOTOR KW	MOTOR FLC @240V	REQUIRED O/LOAD RELAY @240V	MOTOR FLC @415V	REQUIRED O/LOAD RELAY @415V
1.5KW	5.8A	NR2-25-6	3.4A	NR2-25-4
2.2KW	8.7A	NR2-25-10	5A	NR2-25-6
3.0KW	11A	NR2-25-13	6.5A	NR2-25-8
3.7KW	13A	NR2-25-18	8A	NR2-25-10
4.0KW	14A	NR2-25-18	8A	NR2-25-10
5.5KW	19A	NR2-25-25	11A	NR2-25-13
7.5KW	25A	NR2-25-25	15A	NR2-25-18

Overloads sold separately
(See page 53 for NR2 Overloads)



SQ4-7.5P



- Metal clad
- IP55

DOL STARTERS WITH ISOLATOR

2.2KW Max. SINGLE PHASE ENCLOSED DOL STARTER (WITH ISOLATOR)

DESCRIPTION	PART NO.
240V Control Circuit	SQ4-2.2P/IS-240V

7.5KW Max. ENCLOSED DOL STARTER (WITH ISOLATOR)

DESCRIPTION	PART NO.
415V Control Circuit	SQ4-7.5P-415V

MOTOR KW	MOTOR FLC @240V	REQUIRED O/LOAD RELAY @240V	MOTOR FLC @415V	REQUIRED O/LOAD RELAY @415V
1.5KW	5.8A	NR2-25-6	3.4A	NR2-25-4
2.2KW	8.7A	NR2-25-10	5A	NR2-25-6
3.0KW	11A	NR2-25-13	6.5A	NR2-25-8
3.7KW	13A	NR2-25-18	8A	NR2-25-10
4.0KW	14A	NR2-25-18	8A	NR2-25-10
5.5KW	19A	NR2-25-25	11A	NR2-25-13
7.5KW	25A	NR2-25-25	15A	NR2-25-18

Overloads sold separately
(See page 53 for NR2 Overloads)



SQ4-7.5P/IS



- Metal clad
- IP55

DOL REVERSING STARTERS WITHOUT ISOLATOR

7.5KW Max. ENCLOSED DOL REVERSING STARTER (NO ISOLATOR)

DESCRIPTION		PART NO.
415V Control Circuit		SQ4-7.5P-DR-415V
MOTOR KW	MOTOR FLC	REQUIRED O/LOAD
1.5KW	3.4A	NR2-25-4
2.2KW	5A	NR2-25-6
3.0KW	6.5A	NR2-25-8
3.7KW	8A	NR2-25-10
4.0KW	8A	NR2-25-10
5.5KW	11A	NR2-25-13
7.5KW	15A	NR2-25-18

Overloads sold separately
(See page 53 for NR2 Overloads)



SQ4-7.5P-DR



- Metal clad
- IP55

DOL REVERSING STARTERS WITH ISOLATOR

7.5KW Max. ENCLOSED DOL REVERSING STARTER (WITH ISOLATOR)

DESCRIPTION		PART NO.
415V Control Circuit		SQ4-7.5P/IS-DR-415V
MOTOR KW	MOTOR FLC	REQUIRED O/LOAD
1.5KW	3.4A	NR2-25-4
2.2KW	5A	NR2-25-6
3.0KW	6.5A	NR2-25-8
3.7KW	8A	NR2-25-10
4.0KW	8A	NR2-25-10
5.5KW	11A	NR2-25-13
7.5KW	15A	NR2-25-18

Overloads sold separately
(See page 53 for NR2 Overloads)



SQ4-7.5P/IS-DR



- Metal clad
- IP55

Chint Shield Star Delta Starters*

Available in standard ratings from 12A, 6kW to 70A, 40kW with or without Isolators.

- IP55 Protection (subject to correct installation)
- RAL 7035 light grey finished pressed steel enclosures
- Electronic Control Circuit Timer
- 230V, 50HZ, alternatively 400V, 50HZ Control Circuits
- The above are standard ratings. For alternatives, i.e. Higher ratings, back plate only assemblies please call Chint on 0161 762 9333

ALL SHIELD branded Starters are manufactured in the UK.

240V STAR DELTA STARTERS WITHOUT ISOLATORS

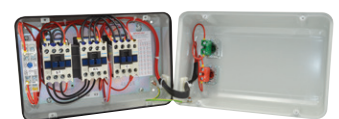
240V, 50/60HZ CONTROL CIRCUIT. ENCLOSED STAR DELTA (NO ISOLATOR)

MOTOR kW	MOTOR FLC	DELTA LOOP CURRENT	REQUIRED O/LOAD
DESCRIPTION		PART NO.	
Max. 11kW		SQ4-11P-SD-240V	
4.0kW	8A	4.6A	NR2-25-6
5.5kW	11A	6.4A	NR2-25-8
7.5kW	15A	8.7A	NR2-25-10
9.3kW	18A	10.4A	NR2-25-13
10kW	20A	11.6A	NR2-25-13
11kW	22A	12.8A	NR2-25-18
Max. 15kW		SQ4-15P-SD-240V	
15kW	28A	16.2A	NR2-25-18
Max. 22kW		SQ4-22P-SD-240V	
18kW	36A	20.9A	NR2-25-25
22kW	39A	22.6A	NR2-25-25
Max. 30kW		SQ4-30P-SD-240V	
30kW	52A	30.2A	NR2-36-32

Overloads sold separately
(See page 53 for NR2 Overloads)



SQ4-22P-SD



- Metal clad
- IP55

240V STAR DELTA STARTERS WITH ISOLATORS

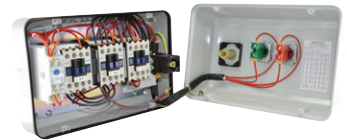
240V, 50/60HZ CONTROL CIRCUIT. ENCLOSED STAR DELTA (WITH ISOLATOR)

MOTOR kW	MOTOR FLC	DELTA LOOP CURRENT	REQUIRED O/LOAD
DESCRIPTION		PART NO.	
Max. 11kW		SQ4-11P/IS-SD-240	
4.0kW	8A	4.6A	NR2-25-6
5.5kW	11A	6.4A	NR2-25-8
7.5kW	15A	8.7A	NR2-25-10
9.3kW	18A	10.4A	NR2-25-13
10kW	20A	11.6A	NR2-25-13
11kW	22A	12.8A	NR2-25-18
Max. 15kW		SQ4-15P/IS-SD-240V	
15kW	28A	16.2A	NR2-25-18
Max. 22kW		SQ4-22P/IS-SD-240V	
18kW	36A	20.9A	NR2-25-25
22kW	39A	22.6A	NR2-25-25
Max. 30kW		SQ4-30P/IS-SD-240V	
30kW	52A	30.2A	NR2-36-32

Overloads sold separately
(See page 53 for NR2 Overloads)



SQ4-22P/IS-SD



- Metal clad
- IP55

415V STAR DELTA STARTERS WITHOUT ISOLATORS

415V, 50/60HZ CONTROL CIRCUIT. ENCLOSED STAR DELTA (NO ISOLATOR)

MOTOR kW	MOTOR FLC	DELTA LOOP CURRENT	REQUIRED O/LOAD
DESCRIPTION		PART NO.	
Max. 11kW		SQ4-11P-SD-415V	
4.0kW	8A	4.6A	NR2-25-6
5.5kW	11A	6.4A	NR2-25-8
7.5kW	15A	8.7A	NR2-25-10
9.3kW	18A	10.4A	NR2-25-13
10kW	20A	11.6A	NR2-25-13
11kW	22A	12.8A	NR2-25-18
Max. 15kW		SQ4-15P-SD-415V	
15kW	28A	16.2A	NR2-25-18
Max. 22kW		SQ4-22P-SD-415V	
18kW	36A	20.9A	NR2-25-25
22kW	39A	22.6A	NR2-25-25
Max. 30kW		SQ4-30P-SD-415V	
30kW	52A	30.2A	NR2-36-32

Overloads sold separately
(See page 53 for NR2 Overloads)



SQ4-22P-SD

- Metal clad
- IP55

415V STAR DELTA STARTERS WITH ISOLATORS

415V, 50/60HZ CONTROL CIRCUIT. ENCLOSED STAR DELTA (NO ISOLATOR)

MOTOR kW	MOTOR FLC	DELTA LOOP CURRENT	REQUIRED O/LOAD
DESCRIPTION		PART NO.	
Max. 11kW		SQ4-11P/IS-SD-415V	
4.0kW	8A	4.6A	NR2-25-6
5.5kW	11A	6.4A	NR2-25-8
7.5kW	15A	8.7A	NR2-25-10
9.3kW	18A	10.4A	NR2-25-13
10kW	20A	11.6A	NR2-25-13
11kW	22A	12.8A	NR2-25-18
Max. 15kW		SQ4-15P/IS-SD-415V	
15kW	28A	16.2A	NR2-25-18
Max. 22kW		SQ4-22P/IS-SD-415V	
18kW	36A	20.9A	NR2-25-25
22kW	39A	22.6A	NR2-25-25
Max. 30kW		SQ4-30P/IS-SD-415V	
30kW	52A	30.2A	NR2-36-32

Overloads sold separately
(See page 53 for NR2 Overloads)

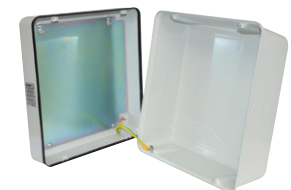


- Metal clad
- IP55

IP55 EMPTY ENCLOSURES

IP55 EMPTY ENCLOSURES

DIMENSIONS (mm)	PART NO.
174h x 104w x 134d with Din Rail	ENC-1710/130
184h x 184w x 149d with Chassis	ENC-1818/140
305h x 285w x 159d with Chassis	ENC-3028/150



WALL MOUNTED METAL ENCLOSURES

IP54 EMPTY ENCLOSURES WITH REMOVABLE BACK PLATE

DIMENSIONS (mm)	PART NO.
250h x 200w x 150d Empty Enclosure	ENC-2520/15
300h x 250w x 150d Empty Enclosure	ENC-3025/15
400h x 300w x 150d Empty Enclosure	ENC-4030/15
500h x 400w x 150d Empty Enclosure	ENC-5040/15
600h x 400w x 260d Empty Enclosure	ENC-6040/26
700h x 500w x 260d Empty Enclosure	ENC-7050/26
800h x 600w x 260d Empty Enclosure	ENC-8060/26



- Removable bottom gland plates

CHINT SHIELD

CHINT EUROPE (UK) LTD

Control Components

- Panel Indication
- Sounders
- P/B and Key Switches
- Modular Solutions



CHINT SHIELD. Powering The World

22.5mm CONTROL COMPONENTS

22.5mm CONTROL COMPONENTS

DESCRIPTION	PART NO.
PUSH BUTTON OPERATOR WITH GUARD RING	
○ White	NP2-BA/W
● Green	NP2-BA/G
● Red	NP2-BA/R
● Yellow	NP2-BA/Y
● Blue	NP2-BA/BL
● Black	NP2-BA/B
RUBBER BOOTS FOR PUSH BUTTONS	
○ White	NP2-BP/W
● Green	NP2-BP/G
● Red	NP2-BP/R
● Yellow	NP2-BP/Y
● Blue	NP2-BP/BL
● Black	NP2-BP/B
ILLUMINATED PUSH BUTTON OPERATOR	
○ White	NP2-BW314
● Green	NP2-BW334
● Red	NP2-BW344
● Yellow	NP2-BW354
● Blue	NP2-BW364
INDICATOR LAMP HEADS	
○ White	NP2-BV/W
● Green	NP2-BV/G
● Red	NP2-BV/R
● Yellow	NP2-BV/Y
● Blue	NP2-BV/B
22.5mm MULTI CHIP LED INDICATORS *Specify Voltage* (AC/DC) 6V, 12V, 24V	
○ White	ND16-TW*
● Green	ND16-G*
● Red	ND16-R*
● Yellow	ND16-Y*
● Blue	ND16-TB*
● Amber	ND16-A*
22.5mm MULTI CHIP LED INDICATORS *Specify Voltage* (AC/DC) 110V, 240V	
○ White	ND1622-D/2-TW*
● Green	ND16-22D/2-G*
● Red	ND16-22D/2-R*
● Yellow	ND16-22D/2-Y*
● Blue	ND16-22D/2-TB*



NP2-BA/G



NP2-BP/R



NP2-BW334



NP2-BV/R



ND16-TW24



ND16-22D/2-R230

22.5mm CONTROL COMPONENTS

22.5mm CONTROL COMPONENTS

DESCRIPTION		PART NO.		
22.5mm MULTI CHIP LED INDICATORS *Specify Voltage* (AC) 110V, 240V or 415V				
○ White		ND16-TW*		
● Green		ND16-G*		
● Red		ND16-R*		
● Yellow		ND16-Y*		
● Blue		ND16-TB*		
● Amber		ND16-A*		
BA9 FITTING LEDS *Specify Voltage* (AC/DC) 6V, 12V, 24V, 110V, 240V				
○ White		NP2-LED-TW-*		
● Green		NP2-LED-G-*		
● Red		NP2-LED-R-*		
● Yellow		NP2-LED-Y-*		
● Blue		NP2-LED-TB-*		
BUZZER				
Specify Voltage 24V (AC/DC) , 110V (AC) or 230V (AC)				
COLOUR	LIGHT	BUZZER	PART NO.	
● Red	On/Off	On/Off	ON/OFF { 1 Sec ON 1 Sec OFF	NFM1-22/FS-R*
● Red	No	On/Off		NFM1-22/F-R*
● Black	No	On/Off		NFM1-22/F-B*
● Red	No	Continuous		NFM1-22/L-R*
● Black	No	Continuous		NFM1-22/L-B*
● Red	Continuous	Continuous		NFM1-22/LC-R*
SWITCH OPERATORS				
40mm Twist Release Emergency Stop Operator			NP2-BS	
40mm Spring Return Emergency Stop Operator			NP2-BC/R	
2 Position (Maintained) Selector Switch Operator			NP2-BD2	
3 Position (Maintained) Selector Switch Operator			NP2-BD3	
2 Position (Spring Return) Selector Switch Operator			NP2-BD4	
3 Position (Spring Return) Selector Switch Operator			NP2-BD5	
2 Position (Maintained Wing Lever) Selector Switch Operator			NP2-BJ2	
3 Position (Maintained Wing Lever) Selector Switch Operator			NP2-BJ3	
2 Position (Spring Return Wing Lever) Selector Switch Operator			NP2-BJ4	
3 Position (Wing Lever) Selector Switch Operator (Spring Ret. to Centre)			NP2-BJ5	
KEY SWITCHES				
2 Position (Maintained) Key Switch, Key out in 1 position only			NP2-BG2	
3 Position (Maintained) Key Switch, Key out in CENTRE position only			NP2-BG3	
2 Position (Spring Return) Key Switch			NP2-BG4	
3 Position (Spring Return) Key Switch, Key out CENTRE position only			NP2-BG5	
2 Position (Maintained) Key Switch, Key out in BOTH positions			NP2-BG2B	
3 Position (Maintained) Key Switch, Key out in LEFT position only			NP2-BG3B	
3 Position (Maintained) Key Switch, Key out in RIGHT position only			NP2-BG3C	
3 Position (Maintained) Key Switch, Key out in ALL positions			NP2-BG3D	
3 Position (Maintained) Key Switch, Key out in LEFT & RIGHT positions			NP2-BG3E	



ND16-TW240



NP2-LED-R-24V



NFM1-22/F-R24V



NP2-BS



NP2-BJ



NP2-BG

22.5mm CONTROL COMPONENTS

22.5mm CONTROL COMPONENTS

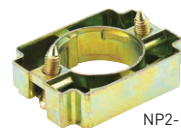
DESCRIPTION	PART NO.
PUSH BUTTONS OPERATORS	
●/● Red/Green Twin Push Button Operator	NP2-BL832
●/● Red/Green Illuminated Twin Push Button Operator	NP2-BW844
MOUNTING BLOCKS & CONTACT UNITS	
Contacts Mounting Block	NP2-B
NO Contact Unit	NP2-BE101
NC Contact Unit	NP2-BE102
NO Contact Unit and Mounting Block	NP2-BZ101
NC Contact Unit and Mounting Block	NP2-BZ102
2 NO Contact Unit and Mounting Block	NP2-BZ103
BUTTON BASES	
Direct Feed Push Button Base	NP2-BW06
110/230V Resistor Type Push Button Base	NP2-BW07
230/6V Transformer Type Push Button Base	NP2-BW04
110/6V Transformer Type Push Button Base	NP2-BW02
ACCESSORIES	
Blanks Legend Plates	NP2-BZ31



NP2-BL832



NP2-BW844



NP2-B



NP2-BE101



NP2-BZ31

PUSH BUTTON ENCLOSURES	
1 NC Enclosed Emergency Stop Unit	NP2-J174
Enclosed Stop/Start 2 Position Selector Switch with 1 NO Contact	NP2-B132
2 Position Push Button Station: ●/● Red/Green	NP2-B213
3 Position Push Button Station: Up, Down & Stop 2 NO + 1 NC Contacts	NP2-B324
2 Position Button Station with Key Switch with 1N/O Contact	NP2-B142/K2
3 Position Button Station with Key Switch with 2N/O Contact	NP2-B142/K3
1 Position Empty Push Button Enclosure	NP2-B1
2 Position Empty Push Button Enclosure	NP2-B2
3 Position Empty Push Button Enclosure	NP2-B3



NP2-J174



NP2-B324



NP2-B324

PUSH BUTTON STATIONS	
40mm Twist Release Plastic Emergency Stop Operator	NP2-ES54
2 Position (Maintained) Plastic Selector Switch Operator	NP2-ED2
● Black Push Button Operator	NP2-EA/B
● Blue Push Button Operator	NP2-EA/BL
○ White Push Button Operator	NP2-EA/W
● Yellow Push Button Operator	NP2-EA/Y
● Black Push Button Operator with White Arrow	NP2-EA/B/A
○ White Push Button Operator with Black Arrow	NP2-EA/W/A
● Green Push Button Operator with White I	NP2-EA/G/I
● Red Push Button Operator with White 0	NP2-EA/R/O
NO Contact Block for Chint Enclosures	NP2-L1111
NC Contact Block for Chint Enclosures	NP2-L1121



NP2-ED



NP2-EA

NP8 SERIES, CONTROL COMPONENTS

NP8 SERIES, CONTROL COMPONENTS

DESCRIPTION	PART NO.
MOMENTARY FLUSH HEAD - NON ILLUMINATED	
○ White	NP8-BN/1
● Green	NP8-BN/3
● Red	NP8-BN/4
● Yellow	NP8-BN/5
● Blue	NP8-BN/6
MOMENTARY FLUSH HEAD - ILLUMINATED	
○ White	NP8-BND/1
● Green	NP8-BND/3
● Red	NP8-BND/4
● Yellow	NP8-BND/5
● Blue	NP8-BND/6
CONTACT BLOCK	
N/C Contact Block	NP8-CB01
N/O Contact Block	NP8-CB10
LEDs	
● Green LED, AC 110V-230V	NP8-LED-G-110V-230V
● Green LED, AC/DC 24V	NP8-LED-G-24V
● Red LED, AC 110V-230V	NP8-LED-R-110V-230V
● Red LED, AC/DC 24V	NP8-LED-R-24V
● Yellow LED, AC 110V-230V	NP8-LED-Y-110V-230V
● Yellow LED, AC/DC 24V	NP8-LED-Y-24V
● Blue LED, AC 110V-230V	NP8-LED-BL-110V-230V
● Blue LED, AC/DC 24V	NP8-LED-BL-24V
MUSHROOM HEAD BUTTONS & SELECTOR SWITCHES	
● Red 40mm Mushroom Head Spring Return - Non Illuminated	NP8-M/14
● Red 40mm Mushroom Head Twist to Release - Non Illuminated	NP8-ZS/14
DOUBLE-HEADED FLUSH MOMENTARY BUTTONS	
Double-headed Flush Momentary Button - Non Illuminated	NP8-S
Double-headed Flush Momentary Button - Illuminated	NP8-SD
SELECTOR SWITCHES - NON ILLUMINATED	
● Black Selector Switches 2 Positions Head - Non Illuminated	NP8-X/212
● Black Selector Switches 3 Positions Head - Non Illuminated	NP8-X/312



NP8-BN/3



NP8-BND/4



NP8-CB10



NP8-LED-G-110V-230V



NP8-ZS/14



NP8-S

NP8 SERIES, CONTROL COMPONENTS

NP8 SERIES, CONTROL COMPONENTS

DESCRIPTION	PART NO.
SELECTOR SWITCHES 2 POSITIONS HEAD – ILLUMINATED	
○ White	NP8-XD/211
● Green	NP8-XD/213
● Red	NP8-XD/214
● Yellow	NP8-XD/215
● Blue	NP8-XD/216
SELECTOR SWITCHES 3 POSITIONS HEAD – ILLUMINATED	
○ White	NP8-XD/311
● Green	NP8-XD/313
● Red	NP8-XD/314
● Yellow	NP8-XD/315
● Blue	NP8-XD/316
SELECTOR SWITCHES WITH KEY 2 POSITIONS HEAD – NON ILLUMINATED	
2 Position (Maintained) Selector Switch Head	NP8-Y/21
2 Position (Spring Return) Selector Switch Head	NP8-Y/22
SELECTOR SWITCHES WITH KEY 3 POSITIONS HEAD – NON ILLUMINATED	
3 Position (Maintained) Selector Switch Head	NP8-Y/31



NP8-XD/313



NP8-Y/21

ND9 SERIES

ND9 SERIES MODULAR INDICATORS

DESCRIPTION	PART NO.
○ White, 230V	ND9-W230
● Green, 230V	ND9-G230
● Red, 230V	ND9-R230
● Yellow, 230V	ND9-Y230
● Blue, 230V	ND9-B230
● ● Green + Green, 110V	ND9-GG110
● ● Green + Green, 230V	ND9-GG230



ND9

NP9 SERIES PUSH BUTTONS

DESCRIPTION	PART NO.
● Red 230V, 2 NO and 1 NC Illuminated Push Button	NP9-153021
● Green 230V, 2 NO and 1 NC Illuminated Push Button	NP9-153024



NP9

YBLX LIMIT SWITCHES

YBLX LIMIT SWITCHES

DESCRIPTION	PART NO.
Limit Switch	YBLX-ME/8104
Limit Switch	YBLX-CK/J10541
Limit Switch	YBLX-CK/J10559
Limit Switch	YBLX-CK/M115
Limit Switch	YBLX-CK/J10511
Limit Switch	YBLX-CK/J167
Limit Switch	YBLX-CK/J161
Limit Switch	YBLX-JW2-11Z/3
Limit Switch	YBLX-K1/41
Limit Switch	YBLX-P1/120/ID

Please contact Chint for more variations.

- SPDT switch contacts
- Head can be rotated
- 1 NO + 1 NC, 5A lth Contacts
- Rugged die cast construction
- Various operators



YBLX-ME/8104



YBLX-CK/J10541



YBLX-CK/J10559



YBLX-CK/M115



YBLX-CK/J167



YBLX-CK/J161



YBLX-CK/J10511



YBLX-JW2-11Z/3



YBLX-K1/41



YBLX-P1/120/ID

TIMERS

SDTS DIGITAL PROGRAMMABLE TIMERS

DESCRIPTION	PART NO.	SINGLE CHANNEL	DUAL CHANNEL
SPDT Timer	SDTS-15		
Astronomical time switch to automatically turn ON/OFF at sunrise/sunset	SDTS-AT1	Yes	
Digital Time Switch with Summer/Winter Auto Adjust	SDTS-SW1	Yes	
Digital Time Switch with Summer/Winter Auto Adjust	SDTS-SW2		Yes



SDTS-15

- 7 day, 24 hr Digital Timer
- 16A Ith (8)A 220 – 240V
- 2000W lamp load
- Astronomical switching based on location and time of the year
- DIN Rail mounted
- Lithium back up battery
- Maximum width 36mm



SDTS-AT1

SDTS-SW1

SDTS-SW2

NTE8 ELECTRONIC TIMER

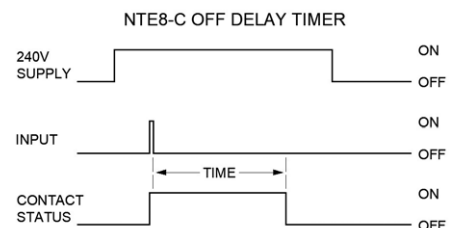
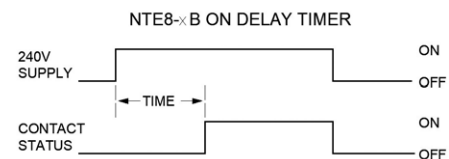
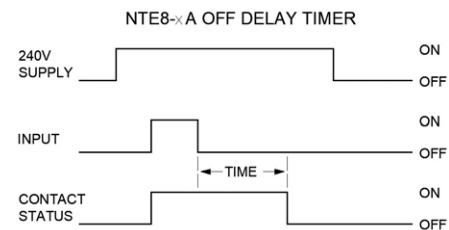
DESCRIPTION	PART NO.
1 NO Contact, 0.1-10 Secs. OFF DELAY	NTE8-10A
1 NO Contact, 10-120 Secs. OFF DELAY	NTE8-120A
1 NO Contact, 30-480 Secs. OFF DELAY	NTE8-480A
1 NO Contact, 0.1-10 Secs. ON DELAY	NTE8-10B
1 NO Contact, 10-120 Secs. ON DELAY	NTE8-120B
1 NO Contact, 30-480 Secs. ON DELAY	NTE8-480B



NTE8

NTE8 STAIRCASE TIMER

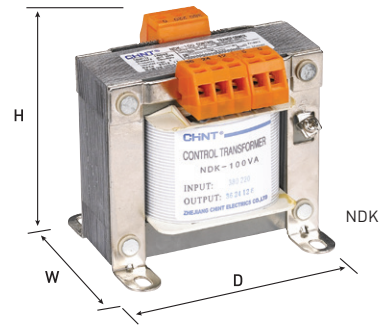
DESCRIPTION	PART NO.
AC 230V 30 Secs - 20 Mins, Interval Delay	NTE8-C/AC230



NDK CONTROL CIRCUIT TRANSFORMERS

NDK CONTROL CIRCUIT TRANSFORMERS

CAP.	DESCRIPTION	PART NO.
50VA		NDK-50
100VA	INPUT: 240V/415V	NDK-100
150VA		NDK-150
200VA		NDK-200
250VA	OUTPUT: 12V/24V 48V/110V	NDK-250
300VA		NDK-300
400VA	FREQUENCY: 50Hz/60Hz	NDK-400
500VA		NDK-500
1000VA		NDK-1000



- Designed to offer maximum voltage ratings from minimum frame sizes, the NDK range is ideally suited to stockists allowing them to hold minimum stocks whilst still covering the majority of popular applications.
- Particularly aimed at Control Panel manufacturers, the NDK series is stocked in the UK in VA sizes from 50VA – 1000VA, other sizes up to a maximum of 5000VA are available to special order.

BELL TRANSFORMER

MODULAR BELL TRANSFORMER

DESCRIPTION	PART NO.
Din Rail Mounted Bell Transformer	SBT-16

- 230V, 50Hz input
- 8V, 12V, 24V output
- 8VA



SBT-16

NCH8 MODULAR AC CONTACTORS

MODULAR AC CONTACTORS, 2P

DESCRIPTION	POLE	PART NO.
20A, 230V 2 NO Modular Contactor	2P	NCH8-20
20A, 230V 2 NC Modular Contactor	2P	NCH8-20-02
40A, 2 NO 230V Modular Contactor	2P	NCH8-40/20-230V
63A, 240V 2 NC Modular Contactor	2P	NCH8-63/02-230V
63A, 1NO+1NC 240V Modular Contactor	2P	NCH8-63/11-240V
63A, 240V 2 NO Modular Contactor	2P	NCH8-63/20-230V



NCH8-20

MODULAR AC CONTACTORS, 4P

DESCRIPTION	POLE	PART NO.
25A, 4 NO 230V Modular Contactor	4P	NCH8-25-40-230V
40A, 2NO/2NC 230V Modular Contactor	4P	NCH8-40/22-230V
40A, 4 NO 230V Modular Contactor	4P	NCH8-4P-40
63A, 4 NO 230V Modular Contactor	4P	NCH8-4P-63
63A, 2NO/2NC 230V Modular Contactor	4P	NCH8-63/22-230V



NCH8-4P-63



ACCESSORIES

DESCRIPTION	PART NO.
9mm Spacer	NCH8-SPACER

- 2 and 4 Main poles
- 230V AC coils
- 20A, 40A and 63A
- Quiet operation

SEVC SERIES SINGLE PHASE EV CHARGING CABLES

SEVC SERIES EV CHARGING CABLE

DESCRIPTION	LENGTH	PART NO.	TYPE
Charging Cable Type 2 to Type 1	5M	SEVC21-5M-32A	TYPE 1 
Charging Cable Type 2 to Type 1	10M	SEVC21-10M-32A	
Charging Cable Type 2 to Type 2	5M	SEVC22-5M-32A	TYPE 2 
Charging Cable Type 2 to Type 2	10M	SEVC22-10M-32A	



SEVC22-5M-32A



- Rated Current (Power) 32A 1 phase, 7.2kW
- IP Rating – IP54
- Certification Standard IEC 62196-1/ IEC 62196-2
- Connections: Copper alloy with silver plating



PORTABLE & FIXED FLOOD LIGHTS

Portable Flood Light – SFLP-10/4000

- Light Source: Long Life High power Epistar LED chip
- Output: 10W (LED)
- Protection Degree IP65
- Toughened glass
- Included Charging Accessories – USB Charger + Cable
- HI-LOW Brightness settings
- Battery - 4000mAh
- Dimensions (H x W x D) 275mm x 145mm x 145mm



SFLP-10/4000

Fixed Flood Light – SFL

- Protection Degree IP65 (IP54 with PIR)
- Power Output (W): 10, 30, 50 & 100
- Lumen Output (lm): 800, 2400, 4000 & 8000
- Comes pre-wired with an extra long 2m H05RN-F 1mm Flex
- LED Life Expectancy: 25000h+
- Aluminium housing with tempered glass



SFL-10A3



SFL-10A3S

FLOOD LIGHTS

WATT	WITH SENSOR	IP RATING	LUMEN	PART NO.
10		65	800	SFL-10A3
10	✓	54	800	SFL-10A3S
30		65	2400	SFL-30A3
30	✓	54	2400	SFL-30A3S
50		65	4000	SFL-50A3
50	✓	54	4000	SFL-50A3S
100		65	8000	SFL-100A3

CONSUMER UNIT & ENCLOSURE DIMENSIONS

PART NO.	H (mm)	W (mm)	D (mm)
NXZHM SERIES, PC CLASS ATS (PAGE 5)			
NXZHM-125S/4B/63	240	300	161
NXZHM-125S/4B/100	240	300	161
NXZHM-160S/4B/160	250	340	180
NXZHM-250S/4B/250	250	390	190
NXZHM-400S/4B/400	334	535	198
NXZHM-630S/4B/630	334	535	198
NXZHM-800S/4B/800	344	660	203

PART NO.	H (mm)	W (mm)	D (mm)
NXPB 400A PANEL BOARDS PAGES 6-8)			
NXPB-400/06A	1200	750	220
NXPB-400/06B	1200	750	220
NXPB-400/08A	1310	750	220
NXPB-400/08B	1310	750	220
NXPB-400/12A	1465	750	220
NXPB-400/12B	1465	750	220
NXPB-400/18A	1760	750	220

PART NO.	H (mm)	W (mm)	D (mm)
NXPB ACCESSORIES (PAGE 9)			
NXPB-EXTB01	400	750	155
NXPB-EXTB02	400	750	155
NXPB-EXS01/6	1200	250	155
NXPB-EXS01/8	1310	250	155
NXPB-EXS01/12	1465	250	155
NXPB-EXS01/18	1760	250	155
NXPB-EXS02/6	1200	250	155
NXPB-EXS02/8	1310	250	155
NXPB-EXS02/12	1465	250	155
NXPB-EXS02/18	1760	250	155
NXPB-CB1	400	250	155
NXPB-CB2	400	250	155

PART NO.	H (mm)	W (mm)	D (mm)
NXDB 125A 3 PHASE BOARDS (PAGE 16)			
NXDB-125-4	600	500	165
NXDB-125-6	700	500	165
NXDB-125-8	735	500	165
NXDB-125-12	850	500	165
NXDB-125-18	1000	500	165
NXDB-125-24	1170	500	165

PART NO.	H (mm)	W (mm)	D (mm)
NXDB 200A 3 PHASE BOARDS (PAGE 16)			
NXDB-200-4	750	500	165
NXDB-200-6	800	500	165
NXDB-200-8	855	500	165
NXDB-200-12	965	500	165
NXDB-200-18	1125	500	165

PART NO.	H (mm)	W (mm)	D (mm)
NXDB ACCESSORIES (PAGE 16)			
EX-1803	400	500	165
EX-4250	400	500	165
EX-MD20	400	500	165

PART NO.	H (mm)	W (mm)	D (mm)
125A PAN ASSEMBLIES (PAGE 21)			
PA-04	354	425	120
PA-06	453	425	120
PA-08	482	425	120
PA-12	604	425	120

PART NO.	H (mm)	W (mm)	D (mm)
NM1T ENCLOSED MCCBs 3P + Neutral Link (PAGE 30)			
NM1T-32/3N	400	300	200
NM1T-63/3N	400	300	200
NM1T-80/3N	400	300	200
NM1T-100/3N	400	300	200
NM1T-125/3N	400	300	200
NM1T-160/3N	600	400	260
NM1T-200/3N	600	400	260
NM1T-250/3N	600	400	260
NM1T-400/3N	700	500	260
NM1T-630/3N	800	600	260

PART NO.	H (mm)	W (mm)	D (mm)
NM1T ENCLOSED MCCBs 4P (PAGE 30)			
NM1T-32/4N	400	300	200
NM1T-63/4N	400	300	200
NM1T-80/4N	400	300	200
NM1T-100/4N	400	300	200
NM1T-125/4N	400	300	200
NM1T-160/4N	600	400	260
NM1T-200/4N	600	400	260
NM1T-250/4N	600	400	260
NM1T-400/4N	700	500	260
NM1T-630/3N	800	600	260

PART NO.	H (mm)	W (mm)	D (mm)
NM1TL ENCLOSED ELCB 3P (PAGE 30)			
NM1TL-063/3/X1/T1	500	400	150
NM1TL-100/3/X1/T1	500	400	150
NM1TL-160/3/X1/T1	500	400	150
NM1TL-200/3/X1/T1	600	400	260
NM1TL-250/3/X1/T1	600	400	260

NM1TL ENCLOSED ELCB 4P (PAGE 30)			
NM1TL-063/4/X1/T1	500	400	150
NM1TL-100/4/X1/T1	500	400	150
NM1TL-160/4/X1/T1	500	400	150
NM1TL-200/4/X1/T1	600	400	260
NM1TL-250/4/X1/T1	600	400	260

ENCLOSED AC ROTARY ISOLATOR (PAGE 44)			
SRS-320	160	85	100
SRS-332	160	85	100
SRS-362	190	100	115
SRS-3100	250	150	120
SRS-420	160	85	100
SRS-432	160	83	85
SRS-463	190	100	115
SRS-4100	250	150	120

ENCLOSED DC ROTARY ISOLATOR (PAGE 44)			
SDS-25	190	100	115

NM1T ENCLOSED ISOLATORS (PAGE 45)			
NM1T-250/3N/IS	600	400	260
NM1T-250/4P/IS	600	400	260
NM1T-400/3N/IS	700	500	260
NM1T-400/4P/IS	700	500	260

NDK CIRCUIT TRANSFORMER (PAGE 73)			
NDK-50	84	83	85
NDK-100	99	87	103
NDK-150	99	93	103
NDK-200	99	105	103
NDK-250	150	120	130
NDK-300	150	125	130
NDK-400	153	155	148
NDK-500	153	155	148
NDK-1000	174	186	173

HELPFUL INFORMATION

Definition of Degrees of Protection to IEC I44

IP

PROTECTION AGAINST SOLID OBJECTS

0	No Protection
1	Protection against solid objects up to 50mm e.g. accidental touch by hands
2	Protection against solid objects up to 12mm e.g. fingers
3	Protection against solid objects up to 2.5mm e.g. tools and wires
4	Protection against solid objects over 1mm e.g. tools and small wires
5	Protection against dust (no harmful deposit)
6	Totally protected against dust

PROTECTION AGAINST LIQUIDS

0	No Protection
1	Protected against vertically falling drops of water e.g. condensation
2	Protected against direct sprays of water up to 15° from the vertical
3	Protected against sprays to 60° from the vertical
4	Protected against water sprayed from all directions
5	Protected against low pressure jets of water from all directions
6	Protected against conditions on ship decks
7	Protected against immersion in water
8	Protected against long periods of immersion under pressure

STANDARD TERMS AND CONDITIONS OF SALE

1. Definitions

"The seller" means Chint Europe (UK) Ltd.
 "The Purchaser" means the Company, firm or person to be supplied with the Goods by the Seller.
 "Goods" means the products or services to be supplied as per the Contract.
 "The Contract" means the Contract for sale/purchase of the Goods made between the Seller and the Purchaser to which these Conditions apply.

2. Quotations & Acceptance

- a) Quotations issued shall remain valid for a period of thirty (30) days from the date of issue unless otherwise stated and represent no obligation on the part of the Seller until the Seller accepts the Purchaser's order.
- b) The Purchaser's order or acceptance must be identified with an order number and must contain sufficient information to enable the Seller to proceed.
- c) The Seller's conditions shall prevail in the event of inconsistency between conditions of the Seller and the Purchaser. Any variation of the Seller's conditions shall only become binding on the Seller when accepted in writing by a duly authorised person on behalf of the Seller.

3. Price & Delivery

- a) Prices quoted do not include VAT.
- b) Carriage and delivery will be arranged at the request and at the expense of the Purchaser. Where applicable C.O.D. charges will be added to the price of the Goods.
- c) Price variation - The Seller reserves the right to increase the process of the Goods agreed to be sold in proportion to any increase of costs to the Seller between the date of acceptance of the order and the date of delivery (including but not by way of limitation those relating to exchange rates, labour, materials, transport and taxes) of where the increase is due to any act of default of the Purchaser including the cancellation by the Purchaser of part of any order.
- d) Any delivery period quoted is an estimate only and does not form part of the Contract, and the Seller shall not be held liable for failure to deliver within any quoted period.
- e) Claims for damage or shortage must be made within 5 working days from date of receipt of Goods at the Purchaser's specified delivery address. Claims for non-delivery must be made in writing within 10 working days of the invoice date.

4. Payment

Where account facilities are not approved, payment will be made by cheque or credit card with order. Where account facilities have been approved, payment will be due 30 days after the date the Goods are invoiced, unless otherwise agreed in writing. Payment shall not be withheld on account of any unrelated claim by the Purchase against the Seller. The Seller reserves the right to suspend deliveries where payment of any invoice has not been made on the due date. The Seller reserves the right to charge interest of 2% per month on any amounts outstanding after the due date. The Seller reserves the right to cancel any Contract due to later or non-payment of account if, in the reasonable opinion of the Seller, the Purchaser is unlikely to be able or willing to pay accounts as they fall due. The value of Goods specifically ordered and held in stock against any Contract will be claimed in the event of late or non-payment of account.

5. Description

- a) The Goods will be those supplied to the manufacturer's current standard specification and finish.
- b) The Seller accepts no liability for any damage or injury arising directly or indirectly from any error or omission in the accuracy of technical data or literature relating to the Goods not being caused by the gross neglect of the Seller.

6. Title

Payment in full is due in respect of any Goods delivered. Until payment is made in full the Goods shall remain in the Property of the Seller but the risk therein and all liability to third parties in respect thereof shall pass to the Purchaser on delivery. Until full payment has been made, the Purchaser shall store the Goods in such a way as to enable them to be identified as the property of the Seller. Notwithstanding such retention of Title the Purchaser may re-sell the Goods to its own customers in the ordinary course of its business. The privilege may be withdrawn by the Seller at any time at his discretion. Title of Goods cannot pass to a third party until all invoices or outstanding amounts are paid for in full. The Purchaser shall accordingly set aside funds from any re-sale of Goods in whatever form to cover full payment of the Seller's Goods. Upon any breach of Contract, the Purchaser shall return any Goods as requested and allow the Seller immediate access to any premises where Goods are held to enable identification and re-possession as required by the Seller. No liability will be accepted by the Seller for loss or damage howsoever incurred during the exercising of the above rights of re-possession. The Purchaser shall insure the Goods from time of delivery and at all times while the Goods remain in their possession for the full invoice value of the Goods.

7. Limitation of Liability

- a) Except to the extent described in Condition 6, the Seller shall not be liable in Contract tort or otherwise for any loss, damage, injury, expense or cost suffered or incurred by the Purchaser or any third party (including but not limited to consequential or indirect loss or loss of profit) whatsoever or howsoever arising out of/in connection with the supply of Goods or Services by the Seller other than to supply Goods conforming to the original agreed specification or at the Seller's option to refund to the Purchaser any monies already paid in respect of the Goods or Services.
- b) The Seller's obligation under Condition 6 is the sole liability of the Seller in respect of the quality, fitness for purpose, compliance with description and/or their compliance with sample. All other representations, warranties, conditions, terms and statements in respect of the Goods or Services express or implied Statutory or otherwise are excluded save where not capable of exclusion by Law.

8. Force Majeure

The Seller shall have no liability in respect of failure to deliver or perform or delay in the delivering or performing any obligations under the Contract due to causes outside the reasonable control of the Seller such as acts of God, fire, floods, war and civil disturbances or not, acts of Government, currency restriction, labour disputes, strikes, unavailability of materials or failure of supplier or subcontractor to deliver on time.

9. Storage

When delivery is delayed for reasons attributable to the Purchaser or its Agents, storage and other additional costs will be charged to the Purchaser and the Goods will be at the Purchaser's risk from the date of commencement as such. The Seller reserves the right to invoice the Goods at the original delivery date.

10. Patent Rights

- a) The sale of Goods and the publication of any information or technical data relating thereto does not imply freedom from patent registered design or other industrial property rights in respect of any particular application of the Goods.
- b) The Purchaser warrants that the designs and specifications supplied by it to the Seller will not involve the infringement of any patent registered design or other industrial property right in the manufacture and sale of the Goods by the Seller.

- c) The Purchaser undertakes to indemnify and keep indemnified the Seller against all royalties, claims, actions, demands, proceedings, losses and costs in connection with any infringement or alleged infringement of any patent, registered design or other industrial property right in the manufacture sale or application of the Goods, arising out of or in connection with the matters described in paragraphs a) and b) above provided that nothing in the Clause shall operate to the prejudice of the Statutory undertakings as to title, etc. contained in Section 12 Sale of Goods Act 1893 as amended.

11. Purchaser's Samples & Drawings

Drawings and samples supplied by the Purchaser for the Contract shall be suitable quality and shall be provided free of charge in sufficient quantities and at the times required by the Seller. Any delay in such drawings and samples provided by the Purchaser shall not entitle the Purchaser to rescind the Contract, reject the Goods, make deductions from the Contract price or claim damages in respect of such defect and the Purchaser shall indemnify and keep indemnified the Seller from and against all actions, demands, claims, proceedings, losses of costs arising from the supply of defective drawings and samplers by the Purchaser.

12. Origin of Goods

The Seller makes no representation and gives no warranty in respect of the sources of origin of manufacture or production of the Goods or any part thereof.

13. Documents

The Seller will supply one invoice and one Advice Note for each consignment of Goods, notwithstanding that the consignment may compose more than one package.

14. Cancellation and Return of Goods

- a) Cancellation will not be accepted for non-stock items. If the Seller agrees to accept cancellation of an order for stock items, a minimum charge of 20% of the total order price may be made.
- b) No returns are permitted without the Seller's previous consent.
- c) If the Seller agrees to accept returns they may be returned at the Purchasers expense in the condition in which they were supplied to a minimum charge of 20% of the total order price.

15. Law

Any question of law relating to these Conditions or agreed amendments thereof or the terms of any Contract between the Purchaser and the Seller shall be determined in all respects by the Laws of England.

Adequate Main and Earth connections are provided, it is the installer's responsibility to ensure these are adequately tightened when the system is being commissioned.

Chint possess many 3rd party product approvals. Detailed information is complex. Full information on approvals and applicable specifications can be obtained from www.chint.com

PLEASE NOTE:
 Carriage is charged extra on NXDB Boards.



AVAILABLE FROM YOUR LOCAL STOCKIST:

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Stockport SK1 2AE

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For technical enquiries contact technical@chint.co.uk

www.chint.co.uk