



NH Panelboards
& Devices



NH 125

NH 125

J-V J/V J/V
J-V J/V J/V
J-V J/V J/V
J-V J/V J/V

WAP
ISOL

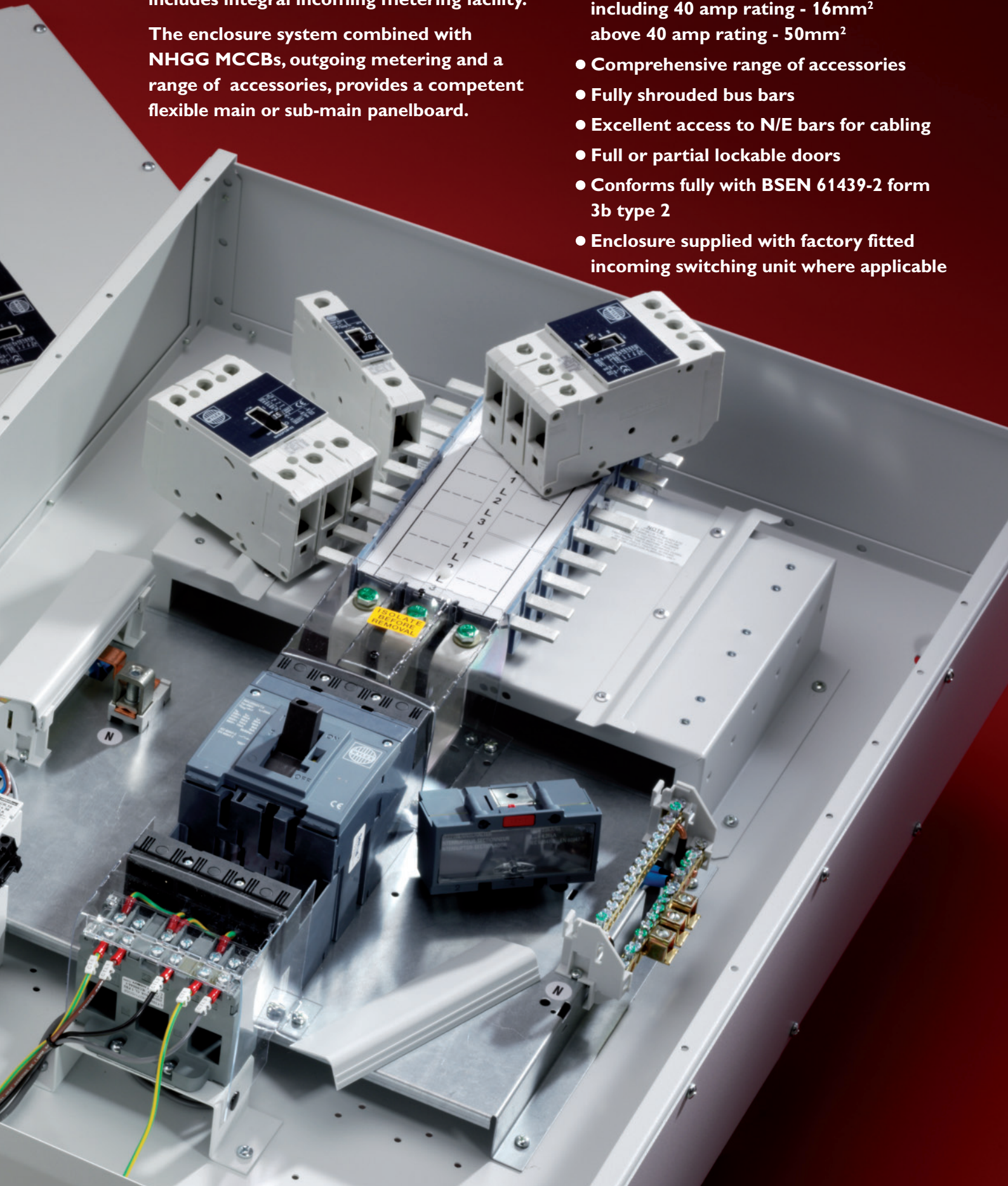


NH125 MCCB PANELBOARDS

The NH125 Panelboard system offers 250A and 400A rated, fully shrouded busbar systems in a modular enclosure which includes integral incoming metering facility.

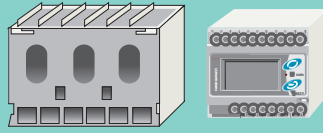
The enclosure system combined with NHGG MCCBs, outgoing metering and a range of accessories, provides a competent flexible main or sub-main panelboard.

- NHGG125 MCCBs 15A-125A ratings
- 25kA breaking capacity
- Max conductor cross sections: up to and including 40 amp rating - 16mm² above 40 amp rating - 50mm²
- Comprehensive range of accessories
- Fully shrouded bus bars
- Excellent access to N/E bars for cabling
- Full or partial lockable doors
- Conforms fully with BSEN 61439-2 form 3b type 2
- Enclosure supplied with factory fitted incoming switching unit where applicable



NH125 PANELBOARD SELECTION GUIDE

Integral Incoming Meter Kits



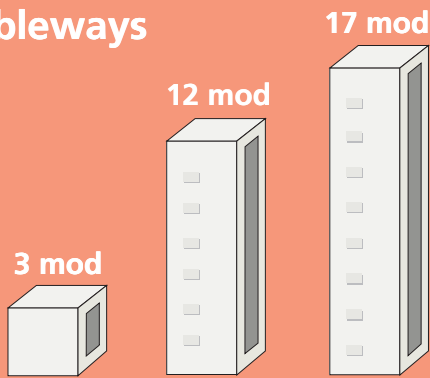
	250A	400A
Std	NHPB250CTINM	NHPB400CTINM
MID	NHPB250CTINMID	NHPB400CTINMID

Add-on Units



- Add-on 100A SPN Distribution Board
- Add-on Control Module - 24 mod
- Add-on 250A Panelboard Metering Kit
- Add-on 400A Panelboard Metering Kit
- Cable Spreader Box

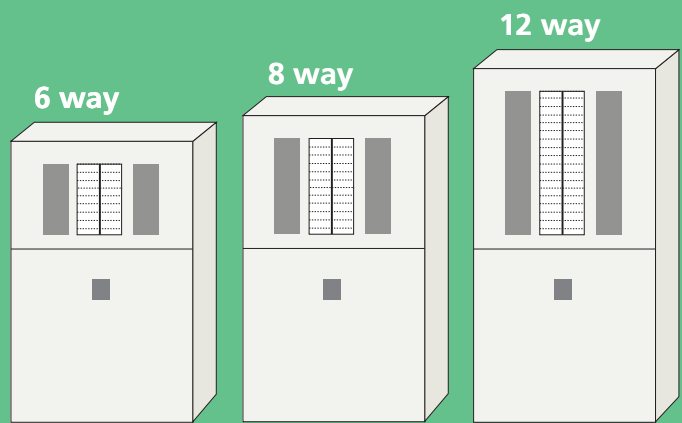
Cableways



- Add-on unit**
- 250A 6 Way
 - 250A 8 Way
 - 400A 6 Way
 - 250A 12 Way/400A 8 Way
 - 250A 16 Way/400A 12 Way
 - 400A 16 Way

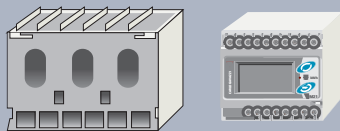
- NHPB3MW
- NHPB12MW
- NHPB13MW
- NHPB14MW
- NHPB15MW
- NHPB17MW
- NHPB19MW

Panelboards (includes TP switching unit)



	6 way	8 way	12 way
250A	NHPBG6SW250	NHPBG8SW250	NHPBG12SW250
400A	NHPBG6SW400	NHPBG8SW400	NHPBG12SW400

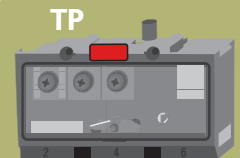
Outgoing Metering



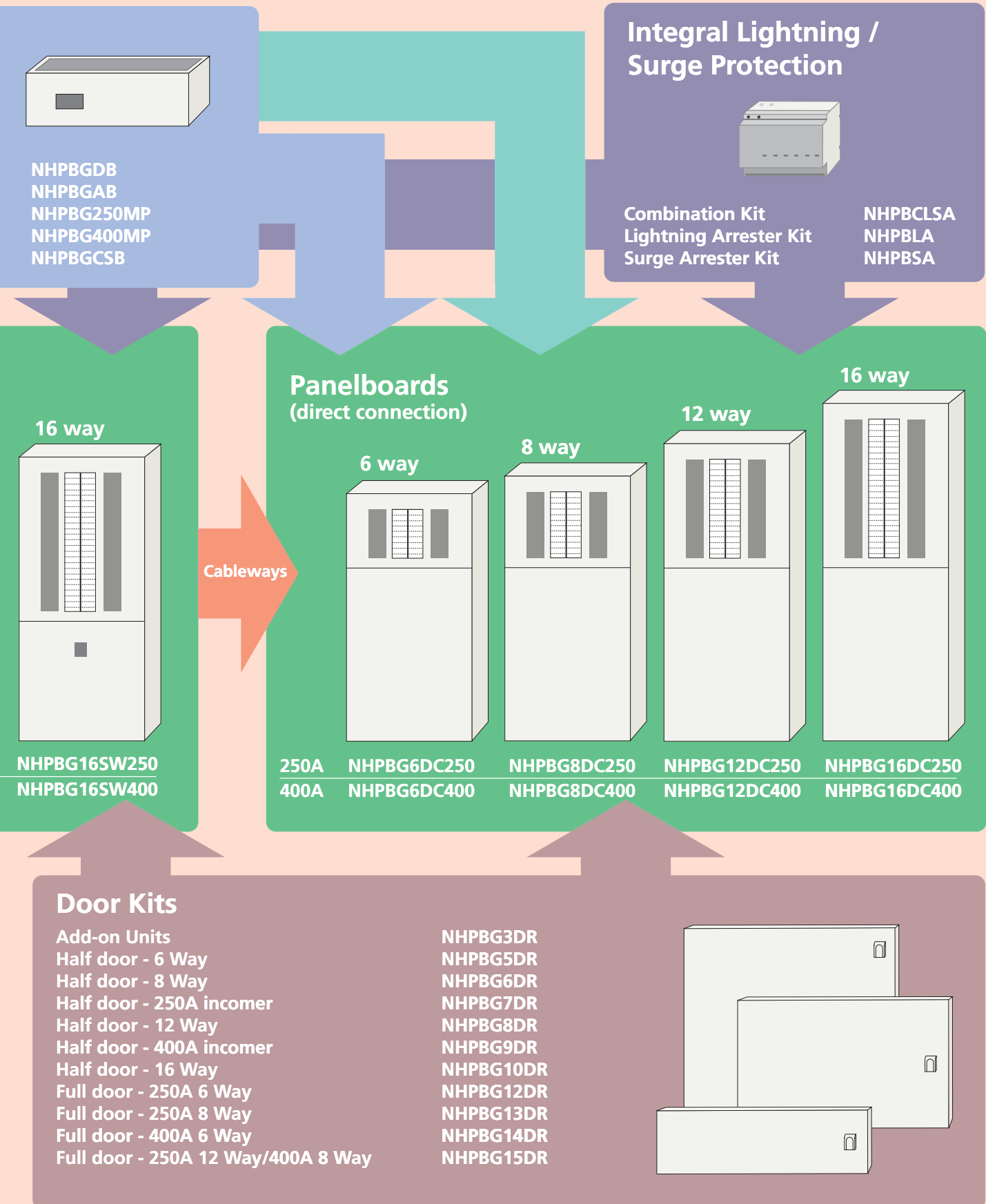
	Standard Meter Kit	MID Meter Kit
63A	NHPB63CTM	-
125A	NHPB125CTM	NHPB125CTMID

Each metering cableway of outgoing meter kits requires power supply cable NHPBOCL

Overcurrent Release Modules (required for each incomer)



	250A	400A
63A - 160A	NHJ631603ELI	-
100A - 250A	NHJ1002503ELI	NHL1002503ELI
160A - 400A	-	NHL1604003ELI
Switch Disconnecter	NHJ2503SWDM	NHL630SWDM



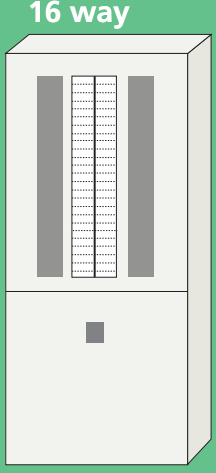
NHPBGDB
NHPBGAB
NHPBG250MP
NHPBG400MP
NHPBGCSB

Integral Lightning / Surge Protection

Combination Kit
Lightning Arrester Kit
Surge Arrester Kit

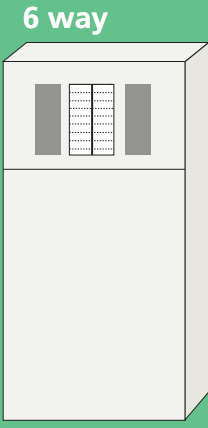
NHPBCLSA
NHPBCLA
NHPBSA

Panelboards (direct connection)

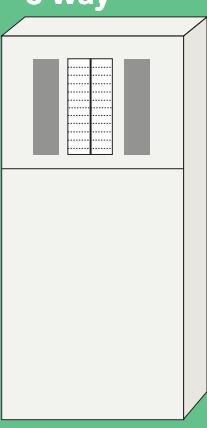


NHPBG16SW250
NHPBG16SW400

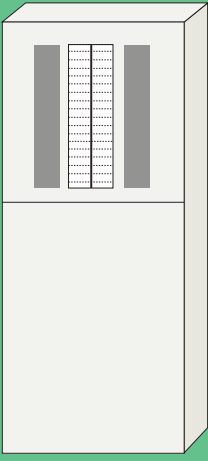
Cableways



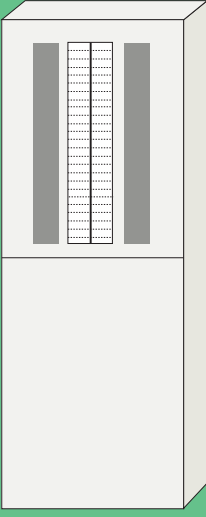
250A NHPBG6DC250
400A NHPBG6DC400



NHPBG8DC250
NHPBG8DC400



NHPBG12DC250
NHPBG12DC400

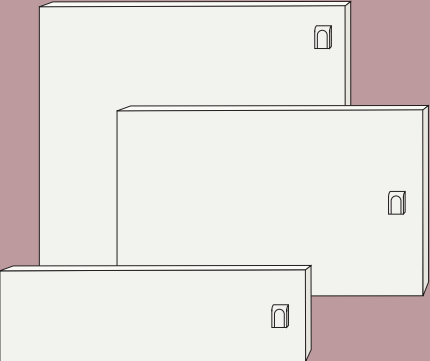


NHPBG16DC250
NHPBG16DC400

Door Kits

- Add-on Units
- Half door - 6 Way
- Half door - 8 Way
- Half door - 250A incomer
- Half door - 12 Way
- Half door - 400A incomer
- Half door - 16 Way
- Full door - 250A 6 Way
- Full door - 250A 8 Way
- Full door - 400A 6 Way
- Full door - 250A 12 Way/400A 8 Way

- NHPBG3DR
- NHPBG5DR
- NHPBG6DR
- NHPBG7DR
- NHPBG8DR
- NHPBG9DR
- NHPBG10DR
- NHPBG12DR
- NHPBG13DR
- NHPBG14DR
- NHPBG15DR





PANELBOARD WITH TP SWITCHING UNIT (PLUG-IN MODULE REQUIRED)

DESCRIPTION	250A CAT REF.	400A CAT REF.
6 Way	NHPBG6SW250	NHPBG6SW400
8 Way	NHPBG8SW250	NHPBG8SW400
12 Way	NHPBG12SW250	NHPBG12SW400
16 Way	NHPBG16SW250	NHPBG16SW400

Fault rating:	25kA Icc	25kA for 1 sec
Max 4c Incoming Cu Cable Size:	150mm ²	see note below
Max cable lug connection:	see note below	32mm wide



PLUG-IN MODULES FOR 250A INCOMER

250A CAT REF.	DESCRIPTION
NHJ631603ELI	63A - 160A Overcurrent release
NHJ1002503ELI	100A - 250A Overcurrent release
NHJ2503SWDM	250A Switch disconnecter



PLUG-IN MODULES FOR 400A INCOMER

400A CAT REF.	DESCRIPTION
NHL1002503ELI	100A - 250A Overcurrent release
NHL1604003ELI	160A - 400A Overcurrent release
NHL630SWDM	400A Switch disconnecter



DIRECT CONNECTED PANELBOARDS

DESCRIPTION	250A CAT REF.	400A CAT REF.
6 Way	NHPBG6DC250	NHPBG6DC400
8 Way	NHPBG8DC250	NHPBG8DC400
12 Way	NHPBG12DC250	NHPBG12DC400
16 Way	NHPBG16DC250	NHPBG16DC400

Fault rating:	25kA Icc	25kA for 1 sec
Max 4c Incoming Cu Cable Size:	see note below	see note below
Available lug connection: on 30mm wide Cu bar	M8	M10

The 400A switching unit accepts cable lug connections up to 32mm wide.
Dependant on the size & type of cable lug selected the potential maximum cable capacity of the cable lug can be up to 300mm².



NHGGPCB201

1 POLE OUTGOING G FRAME MCCBs

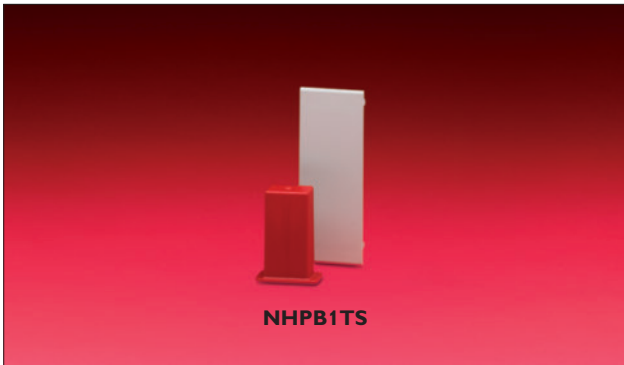
CAT REF.	DESCRIPTION
NHGGPCB151	15A MCCB
NHGGPCB201	20A MCCB
NHGGPCB251	25A MCCB
NHGGPCB301	30A MCCB
NHGGPCB401	40A MCCB
NHGGPCB501	50A MCCB
NHGGPCB601	60A MCCB
NHGGPCB801	80A MCCB
NHGGPCB1001	100A MCCB
NHGGPCB1251	125A MCCB



NHGGPCB1253

3 POLE OUTGOING G FRAME MCCBs

CAT REF.	DESCRIPTION
NHGGPCB153	15A MCCB
NHGGPCB203	20A MCCB
NHGGPCB253	25A MCCB
NHGGPCB303	30A MCCB
NHGGPCB403	40A MCCB
NHGGPCB503	50A MCCB
NHGGPCB603	60A MCCB
NHGGPCB803	80A MCCB
NHGGPCB1003	100A MCCB
NHGGPCB1253	125A MCCB



NHPB1TS

DOOR BLANKS

CAT REF.	DESCRIPTION
NHPB1TS	NHGG SP MCCB door blank with busbar insulator



INCOMING INTEGRAL METER KITS

250A CAT REF.	400A CAT REF.	DESCRIPTION
NHPB250CTINM	NHPB400CTINM	Energy Meter Kit - Standard
NHPB250CTINMID	NHPB400CTINMID	Energy Meter Kit - MID

Each kit contains: Digital meter offering Amps, Volts, kWh readout plus pulsed output, block current transformer (MID option - 3CTs), fuses, mounting plates & cable looms. Supplied loose for assembly and connection by others.

Current transformer internal dimensions:

Standard Versions:	MID Versions:
250A - 21mm W x 25mm H slot	250A - 28mm diameter
400A - 31mm W x 36mm H slot	400A - 31mm W x 36mm H slot

INTEGRAL LIGHTNING & SURGE ARRESTERS

CAT REF.	DESCRIPTION
NHPBCLSA	Combination Lightning & Surge Arrester Kit
NHPBLA	Lightning Arrester Kit
NHPBSA	Surge Arrester Kit

Each kit contains: Lightning, Surge or Combination arrester, MCCB, mounting plate & cable loom. Supplied loose for assembly and connection by others. Only one of these three options is possible per panelboard. MCCB mounted in bottom right hand outgoing way.

OUTGOING METER KITS *

STANDARD CAT REF.	MID CAT REF.	DESCRIPTION
NHPB63CTM	-	63A Energy Meter Kit
NHPB125CTM	NHPB125CTMID	125A Energy Meter Kit

* Each metering cableway of outgoing meter kits requires:
NHPBOCL Meter Kit Voltage Supply Cable Loom

Current transformer internal dimensions:

Standard versions:	MID versions:
63A & 125A - 16mm W x 31mm H slot	125A - 21mm diameter



NHPB3MW

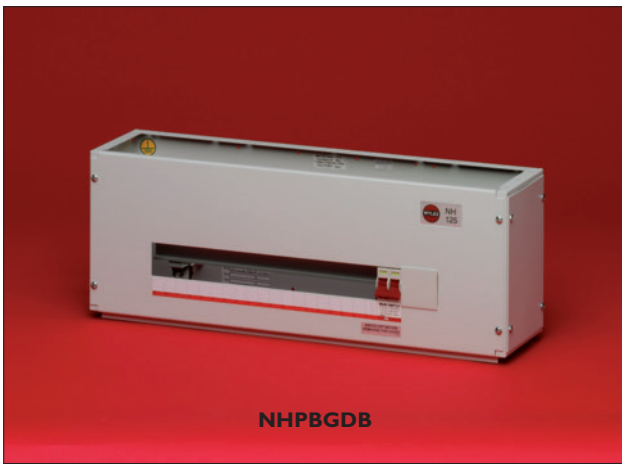
NHPB15MW

NHPB13MW

CABLEWAYS (WITH METER KNOCK-OUTS)

CAT REF.	DESCRIPTION	PANEL BOARD TYPE	AVAILABLE KNOCK-OUTS
NHPB3MW	3 mod	Add-on unit	-
NHPB12MW	12 mod	250A 6 Way	6
NHPB13MW	13 mod	250A 8 Way	6
NHPB14MW	14 mod	400A 6 Way	6
NHPB15MW	15 mod	250A 12W/400A 8 Way	6
NHPB17MW	17 mod	250A 16W/400A 12 Way	8
NHPB19MW	19 mod	400A 16 Way	9

Dimensions: Height as listed, width: 250mm, depth: 180mm



NHPBGDB

ADD-ON UNITS

CAT REF.	DESCRIPTION
NHPBGDB	Add-on 100A SPN Distribution Board
NHPBGAB	Add-on Control Module - 24 mod
NHPBG250MP	Add-on 250A Panelboard Metering Kit
NHPBG400MP	Add-on 400A Panelboard Metering Kit
NHPBGCSB	Cable Spreader Box

Dimensions: 228mm H x 630mm W x 164mm D



NHPBG3DR

NHPBG15DR

NHPBG10DR

DOOR KITS

CAT REF.	DESCRIPTION	PANEL BOARD TYPE
NHPBG3DR	3 mod	Add-on Units
NHPBG5DR	5 mod	Half door - 6 Way
NHPBG6DR	6 mod	Half door - 8 Way
NHPBG7DR	7 mod	Half door - 250A incomer
NHPBG8DR	8 mod	Half door - 12 Way
NHPBG9DR	9 mod	Half door - 400A incomer
NHPBG10DR	10 mod	Half door - 16 Way
NHPBG12DR	12 mod	Full door - 250A 6 Way
NHPBG13DR	13 mod	Full door - 250A 8 Way
NHPBG14DR	14 mod	Full door - 400A 6 Way
NHPBG15DR	15 mod	Full door - 250A 12 Way/400A 8 Way
NHPBDL	Standard door lock (2 keys)	





NH250 MCCB PANELBOARDS

The NH250 Panelboard system offers 400A and 630A rated, fully shrouded busbar systems in a modular enclosure, which includes integral incoming metering facility.

The enclosure system combined with either NHJ or NHGG MCCBs, outgoing metering and a range of accessories, provides a competent flexible main or sub-main panelboard.

- **NHJ250 MCCBs** 40A-250A rating
J frame with a 36kA or 65kA fault breaking capacity
- **NHGG125 MCCBs** 15A-125A rating
G frame with a 25kA fault breaking capacity
- Comprehensive range of accessories including sealable terminal covers
- Fully shrouded busbars
- Excellent access to N/E bars for cabling
- Full or partial lockable doors
- Conforms fully with BSEN 61439-2 form 3b type 2



NH250 PANELBOARD SELECTION GUIDE

Extension Cableways

G frame

Metered
 4 way - NHPBG4MCWA
 8 way - NHPBG8MCWA
 12 way - NHPBG12MCWA

Standard
 4 way - NHPBG4CW
 8 way - NHPBG8CW
 12 way - NHPBG12CW

Extension Units

G frame

Extension Units rating must match the rating of the Panelboard being extended.

4 way

400A	NHPBG4W400AU
630A	NHPBG4W630AU

Panelboard Cableways

Outgoing Metering

Metered
 2 way - NHPBJ2MCW
 4 way - NHPBJ4MCW
 6 way - NHPBJ6MCW

Standard
 2 way - NHPBJ2CW
 4 way - NHPBJ4CW
 6 way - NHPBJ6CW

Panelboards

(includes TP or 4P switching unit)

2 way

TP	400A	NHPBJ2W400MU3
	630A	NHPBJ2W630MU3
4P	400A	NHPBJ2W400MU4
	630A	NHPBJ2W630MU4

Outgoing Metering

63A G frame Meter Kit	Standard	MID
125A G frame Meter Kit	NHPBJOMK63	-
160A J frame Meter Kit	NHPBJOMK125	NHPBJMIDOMK125
250A J frame Meter Kit	NHPBJOMK160	NHPBJMIDOMK160
	NHPBJOMK250	NHPBJMIDOMK250

Each metering cableway of outgoing meter kits requires power supply cable NHPBOCL

Overcurrent Release Modules

(required for each incomer)

400A	100A - 250A
	160A - 400A
Switch Disconnector	
630A	100A - 250A
	160A - 400A
250A - 630A	
Switch Disconnector	

Extension Unit J frame

8 way	12 way	8 way	
NHPBG8W400AU	NHPBG12W400AU	NHPBJ8W400AU	400A
NHPBG8W630AU	NHPBG12W630AU	NHPBJ8W630AU	630A

Extension Cableways J frame only

Metered	Standard
8 way	
Metered - NHPBJ8MCWA	Standard - NHPBJ8CW

4 way	6 way
NHPBJ4W400MU3	NHPBJ6W400MU3
NHPBJ4W630MU3	NHPBJ6W630MU3
NHPBJ4W400MU4	NHPBJ6W400MU4
NHPBJ4W630MU4	NHPBJ6W630MU4

Integral Incoming Meter Kits

	400A	630A
Std	NHPBJIMK400	NHPBJIMK630
MID	NHPBJMIDIMK400	NHPBJMIDIMK630

Integral Lightning / Surge Protection

Combination Kit	NHPBCSAR1/2
Lightning Arrester Kit	NHPBLAR1
Surge Arrester Kit	NHPBSAR2

TP	4P
NHL1002503ELI	NHL1002504ELI
NHL1604003ELI	NHL1604004ELI
NHL630SWDM	On Application
NHL1002503ELI	NHL1002504ELI
NHL1604003ELI	NHL1604004ELI
NHL2506303ELI	NHL2506304ELI
NHL630SWDM	On Application



NHPBJ6W630MU3



NHL1002503ELI

PANELBOARD WITH TP SWITCHING UNIT (PLUG-IN MODULE REQUIRED)

DESCRIPTION	400A CAT REF.	630A CAT REF.
2 Way	NHPBJ2W400MU3	NHPBJ2W630MU3
4 Way	NHPBJ4W400MU3	NHPBJ4W630MU3
6 Way	NHPBJ6W400MU3	NHPBJ6W630MU3

Fault rating: 35kA for 1 sec 50kA for 1 sec

Max cable lug connection: 32mm wide 32mm wide

see note below

PLUG-IN INCOMER OVERCURRENT RELEASE & SWITCH DISCONNECTOR MODULES

DESCRIPTION	400A CAT REF.	630A CAT REF.
100A - 250A Overcurrent Release	NHL1002503ELI	NHL1002503ELI
160A - 400A Overcurrent Release	NHL1604003ELI	NHL1604003ELI
250A - 630A Overcurrent Release	-	NHL2506303ELI
Switch Disconnecter	NHL630SWDM	NHL630SWDM



NHPBJ2W400MU4



NHL160400ELI

PANELBOARD WITH 4P SWITCHING UNIT (PLUG-IN MODULE REQUIRED)

DESCRIPTION	400A CAT REF.	630A CAT REF.
2 Way	NHPBJ2W400MU4	NHPBJ2W630MU4
4 Way	NHPBJ4W400MU4	NHPBJ4W630MU4
6 Way	NHPBJ6W400MU4	NHPBJ6W630MU4

Fault rating: 35kA for 1 sec 50kA for 1 sec

Max cable lug connection: 32mm wide 32mm wide

see note below

PLUG-IN INCOMER OVERCURRENT RELEASE & SWITCH DISCONNECTOR MODULES

DESCRIPTION	400A CAT REF.	630A CAT REF.
100A - 250A Overcurrent Release	NHL1002504ELI	NHL1002504ELI
160A - 400A Overcurrent Release	NHL1604004ELI	NHL1604004ELI
250A - 630A Overcurrent Release	-	NHL2506304ELI
Switch Disconnecter	On Application	On Application

The 400A/630A switching units accept cable lug connections up to 32mm wide. Dependant on the size & type of cable lug selected the potential maximum cable capacity of the cable lug can be up to 300mm².



INTEGRAL INCOMING METER KITS

400A CAT REF.	630A CAT REF.	DESCRIPTION
NHPBJMK400	NHPBJMK630	Energy Meter Kit - Standard
NHPBJMIDMK400	NHPBJMIDMK630	Energy Meter Kit - MID

Each kit contains: Digital meter offering Amps, Volts, kWh readout plus pulsed output, block current transformer, fuses, mounting plates & cable looms. Supplied loose for assembly and connection by others.

Cable Connection Information:
30mm x 10mm copper bar - M10 connection



INTEGRAL LIGHTNING & SURGE ARRESTERS

CAT REF.	DESCRIPTION
NHPBCSAR1/2	Combination Lightning & Surge Arrester Kit
NHPBLAR1	Lightning Arrester Kit (Type 1)
NHPBSAR2	Surge Arrester Kit (Type 2)

Each kit contains: Lightning, Surge or Combination arrester, MCCB, mounting plate & cable loom. Supplied loose for assembly and connection by others.

Only one of these three options is possible per panelboard. MCCB mounted in bottom left hand NHJ position.



OUTGOING METER KITS*

STANDARD CAT REF.	MID CAT REF.	DESCRIPTION
NHPBJOMK63	-	63A Energy Meter Kit - G frame
NHPBJOMK125	NHPBJMIDOMK125	125A Energy Meter Kit - G frame
NHPBJOMK160	NHPBJMIDOMK160	160A Energy Meter Kit - J frame
NHPBJOMK250	NHPBJMIDOMK250	250A Energy Meter Kit - J frame

Each kit contains: Digital meter offering Amps, Volts, kWh readout plus pulsed output, block current transformer (MID option - 3 separate CTs), fuses, mounting plates & cable looms. Supplied loose for assembly and connection by others.

* Each metering cableway of outgoing meter kits requires:
NHPBOCL Meter Kit Voltage Supply Cable Loom

Current transformer internal dimensions	
Standard versions:	MID versions:
63A & 125A - 16mm W x 31mm H slot	125A & 160A - 21mm diameter
160A & 250A - 21mm W x 25mm H slot	250A - 28mm diameter



OUTGOING J FRAME MCCBs

CAT REF.	DESCRIPTION
NHJ2503VTX	36kA rated TP MCCBs 250A TP Switching Unit *
NHJS2503VTX	65kA rated TP MCCBs 250A TP Switching Unit *

*The switching unit must be fitted with a Plug-In Overcurrent Release module

PLUG-IN OVERCURRENT RELEASE MODULES

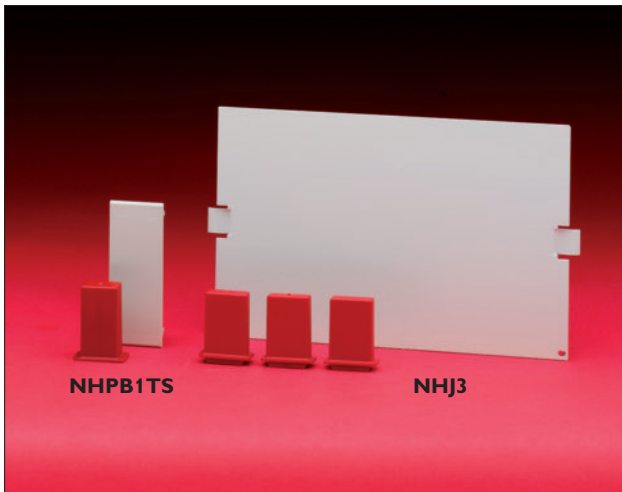
CAT REF.	DESCRIPTION
NHJ401003ELI	40A - 100A Overcurrent Release
NHJ631603ELI	63A - 160A Overcurrent Release
NHJ1002503ELI	100A - 250A Overcurrent Release

OUTGOING J FRAME MCCBs SELECTION 36kA

RATING	TRIP UNIT	+	36kA SWITCHING UNIT
40A	NHJ401003ELI	+	NHJ2503VTX
50A			
63A			
80A			
100A	NHJ631603ELI	+	NHJ2503VTX
125A			
160A			
200A	NHJ1002503ELI	+	NHJ2503VTX
220A			
250A			

OUTGOING J FRAME MCCBs SELECTION 65kA

RATING	TRIP UNIT	+	65kA SWITCHING UNIT
40A	NHJ401003ELI	+	NHJS2503VTX
50A			
63A			
80A			
100A	NHJ631603ELI	+	NHJS2503VTX
125A			
160A			
200A	NHJ1002503ELI	+	NHJS2503VTX
220A			
250A			

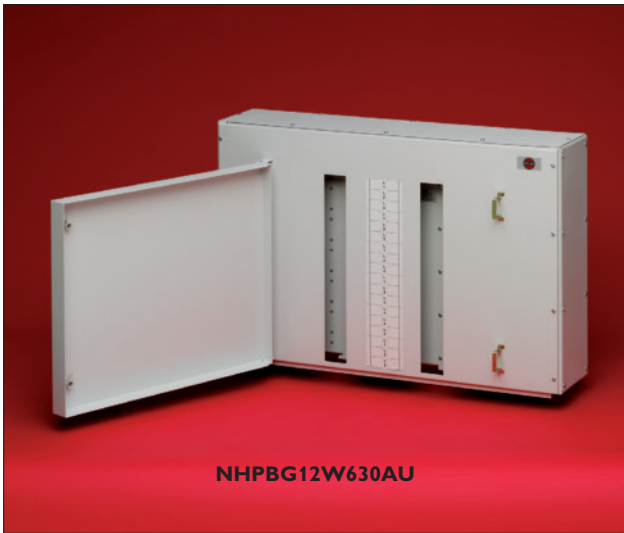


DOOR BLANKS

CAT REF.	DESCRIPTION
NHPB1TS	NHGG SP MCCB door blank with busbar insulators
NHJ3	NHJ TP MCCB door blank with busbar insulators

ACCESSORIES

CAT REF.	DESCRIPTION
NHJVT3TS	3P terminal shields J frame
NHJLAUXCO	Auxiliary contact
NHJLUVR110230	110/230V undervoltage release
NHJLUVR230	230V undervoltage release
NHJLD	Handle padlock for J frame 250A
NHLLD	Handle padlock for L frame 400/630A
NHJLST2448	24/48 shunt trip
NHJLST230	230V shunt trip



NHPBG12W630AU

NH250 ADD-ON EXTENSION UNITS

DESCRIPTION	400A CAT REF.	630A CAT REF.
4 Way G Frame Extension Unit	NHPBG4W400AU	NHPBG4W630AU
8 Way G Frame Extension Unit	NHPBG8W400AU	NHPBG8W630AU
12 Way G Frame Extension Unit	NHPBG12W400AU	NHPBG12W630AU

Fault rating: 25kA for 1 sec 25kA for 1 sec

Outgoing MCCB G Frame selection see below.

DESCRIPTION	400A CAT REF.	630A CAT REF.
8 Way J Frame Extension Unit	NHPBJ8W400AU	NHPBJ8W630AU

Fault rating: 35kA for 1 sec 50kA for 1 sec

Outgoing MCCB J Frame selection page 14.



NHGGPCB201 NHGGPCB1253

OUTGOING G FRAME MCCBs

SINGLE POLE CAT REF.	TRIPLE POLE CAT REF.	DESCRIPTION
NHGGPCB151	NHGGPCB153	15A MCCB
NHGGPCB201	NHGGPCB203	20A MCCB
NHGGPCB251	NHGGPCB253	25A MCCB
NHGGPCB301	NHGGPCB303	30A MCCB
NHGGPCB401	NHGGPCB403	40A MCCB
NHGGPCB501	NHGGPCB503	50A MCCB
NHGGPCB601	NHGGPCB603	60A MCCB
NHGGPCB801	NHGGPCB803	80A MCCB
NHGGPCB1001	NHGGPCB1003	100A MCCB
NHGGPCB1251	NHGGPCB1253	125A MCCB



**NHPBJ4CW
NHPBG8CW**

**NHPBJ4MCW
NHPBG8MCW**

CABLE WAYS

STANDARD CAT REF.	METER KNOCK-OUTS CAT REF.	DESCRIPTION
NHPBJ2CW	NHPBJ2MCW	2 Way Panelboard
NHPBJ4CW	NHPBJ4MCW	4 Way Panelboard
NHPBJ6CW	NHPBJ6MCW	6 Way Panelboard
NHPBG4CW	NHPBG4MCWA	4 Way G Frame Extension
NHPBG8CW	NHPBG8MCWA	8 Way G Frame Extension
NHPBG12CW	NHPBG12MCWA	12 Way G Frame Extension
NHPBJ8CW	NHPBJ8MCWA	8 Way J Frame Extension

250A PANELBOARD

	DIMENSIONS			Modules
	H	W	D	
6 Way	912	630	164	12
8 Way	988	630	164	13
12 Way	1140	630	164	15
16 Way	1292	630	164	17

250A CABLE WAYS

6 Way	912	250	180	12
8 Way	988	250	180	13
12 Way	1140	250	180	15
16 Way	1292	250	180	17

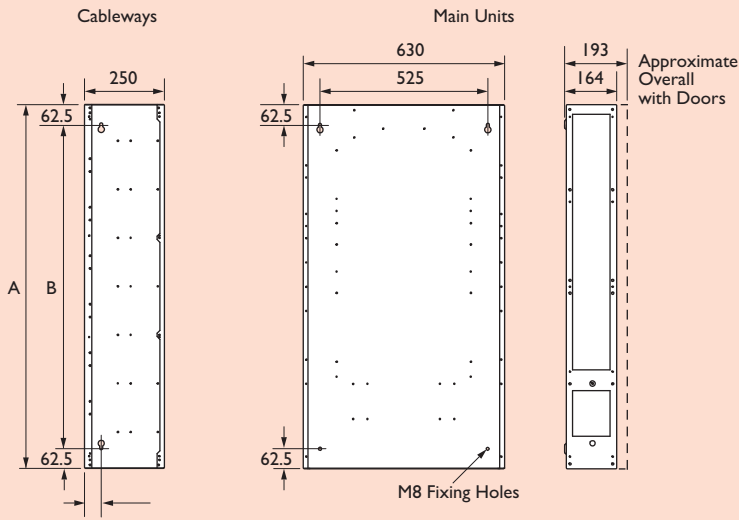
400A PANELBOARD

	DIMENSIONS			Modules
	H	W	D	
6 Way	1064	630	164	14
8 Way	1140	630	164	15
12 Way	1292	630	164	17
16 Way	1444	630	164	19

400A CABLE WAYS

6 Way	1064	250	180	14
8 Way	1140	250	180	15
12 Way	1292	250	180	17
16 Way	1444	250	180	19

MAIN UNITS



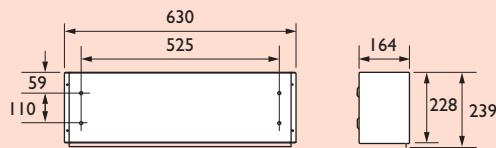
MAIN UNITS 250A

	DIMENSIONS	
	A	B
6 Way	912	787
8 Way	988	863
12 Way	1140	1015
16 Way	1292	1167

MAIN UNITS 400A

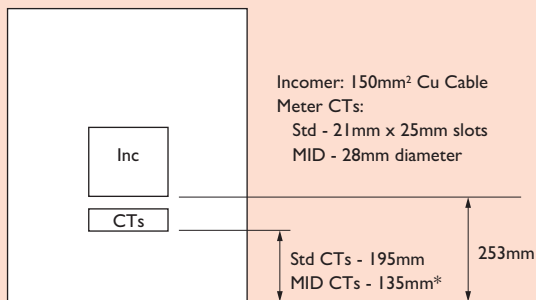
6 Way	1064	939
8 Way	1140	1015
12 Way	1292	1167
16 Way	1444	1319

ADD-ON UNITS

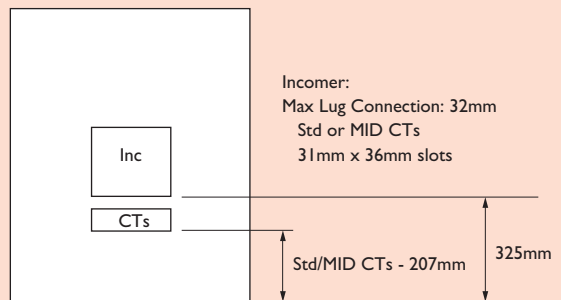


AVAILABLE SPREADING ROOM FOR INCOMING CABLES

NH125-250A Incomer



NH125-400A Incomer



* We would recommend the use of a cable spreader box for incoming 4c copper cables in excess of 70mm² when used in conjunction with the 250A integral MID meter option



400A PANELBOARD

	DIMENSIONS		
	H	W	D
2 Way	1050	900	250
4 Way	1155	900	250
6 Way	1260	900	250

400A STANDARD CABLE WAYS

2 Way	1050	250	185
4 Way	1155	250	185
6 Way	1260	250	185

400A METERED CABLE WAYS

2 Way	1050	400	185
4 Way	1155	400	185
6 Way	1260	400	185

630A PANELBOARD

	DIMENSIONS		
	H	W	D
2 Way	1050	900	250
4 Way	1155	900	250
6 Way	1260	900	250

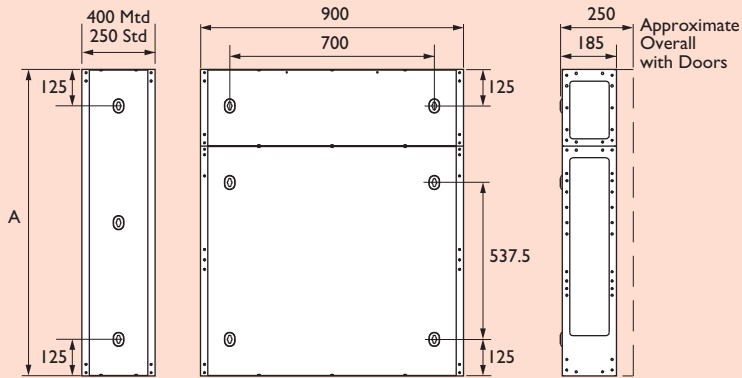
630A STANDARD CABLE WAYS

2 Way	1050	250	185
4 Way	1155	250	185
6 Way	1260	250	185

630A METERED CABLE WAYS

2 Way	1050	400	185
4 Way	1155	400	185
6 Way	1260	400	185

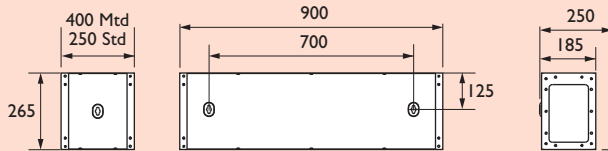
MAIN UNITS



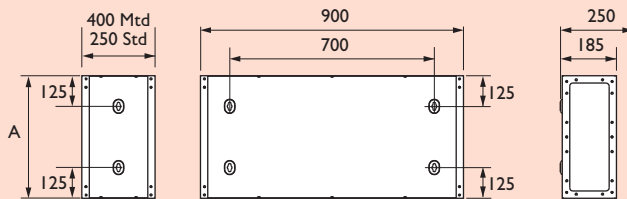
MAIN UNITS

	DIMENSION A
2 Way	1050
4 Way	1155
6 Way	1260

4 WAY NGG EXTENSION UNIT



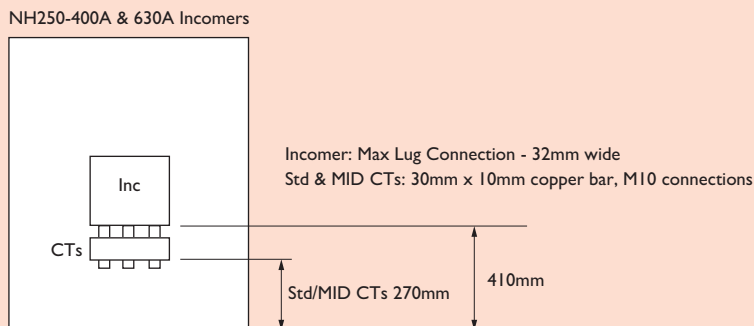
8 & 12 WAY EXTENSION UNIT

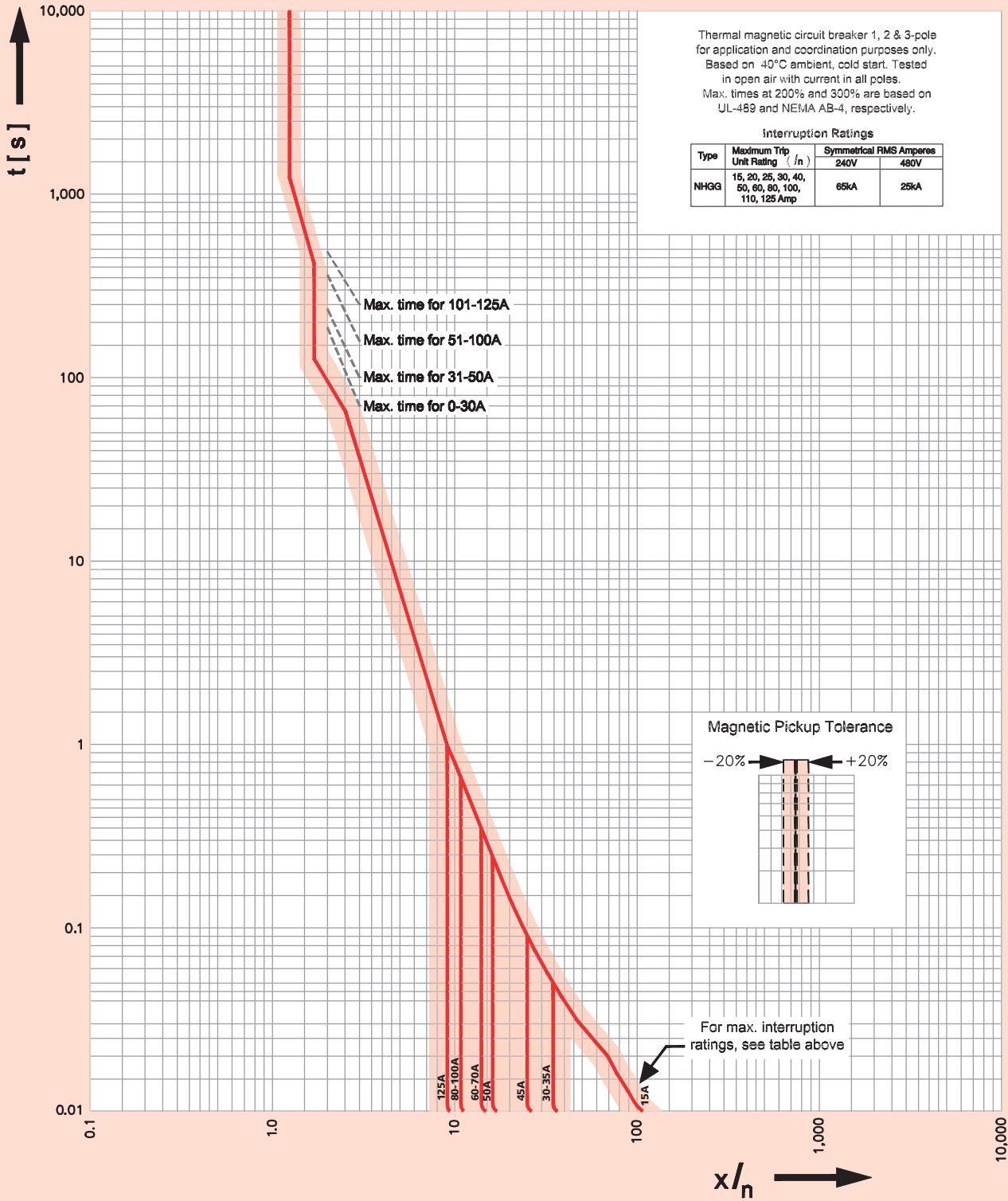


EXTENSION UNITS

	DIMENSION A
8 Way NHGG	420
12 Way NHGG	580
8 Way NHJ	580

AVAILABLE SPREADING ROOM FOR INCOMING CABLES





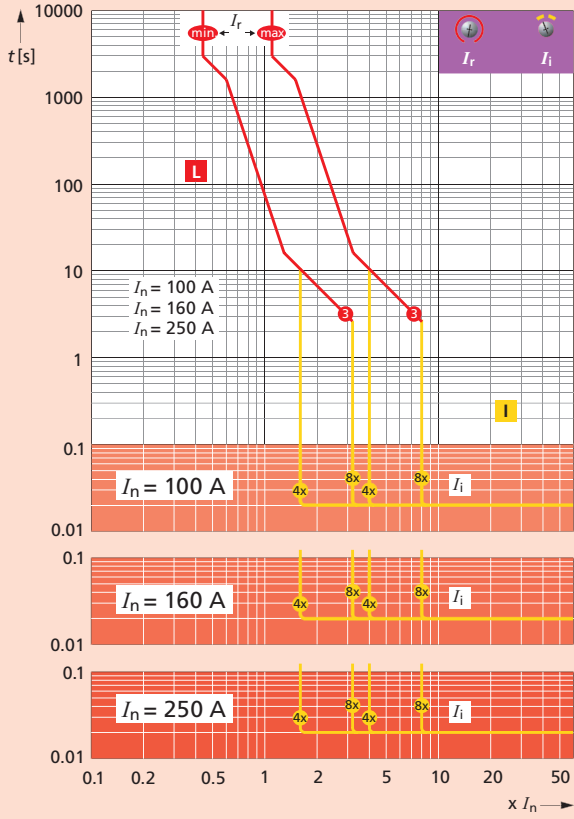
FROM THE 5 SEC VALUE FOR THE 125A BREAKER, THE ABOVE CURVE SUGGESTS A OHMIC VALUE OF 0.33 OHMS

5 SEC VALUES (230V / 5.5X IN) FOR OTHER RATINGS ARE AS FOLLOWS

Ampere	20	25	30	40	50	60	80	100	125
Ohm	2.09	1.67	1.39	1.05	0.84	0.70	0.52	0.42	0.33



NHJ TIME / CURRENT CHARACTERISTICS



IR & II SET AT MINIMUM

AMPS	CURRENT VALUE (A)		VOLTAGE	OHMIC VALUE	
	0.4 SECONDS	5 SECONDS		0.4 SECONDS	5 SECONDS
100	150A	150A	230V	1.533Ω	1.533Ω
160	240A	240A	230V	0.958Ω	0.958Ω
250	375A	375A	230V	0.613Ω	0.613Ω

IR SET AT MINIMUM & II SET AT MAXIMUM

100	320A	230A	230V	0.719Ω	1.000Ω
160	512A	368A	230V	0.449Ω	0.625Ω
250	800A	575A	230V	0.288Ω	0.400Ω

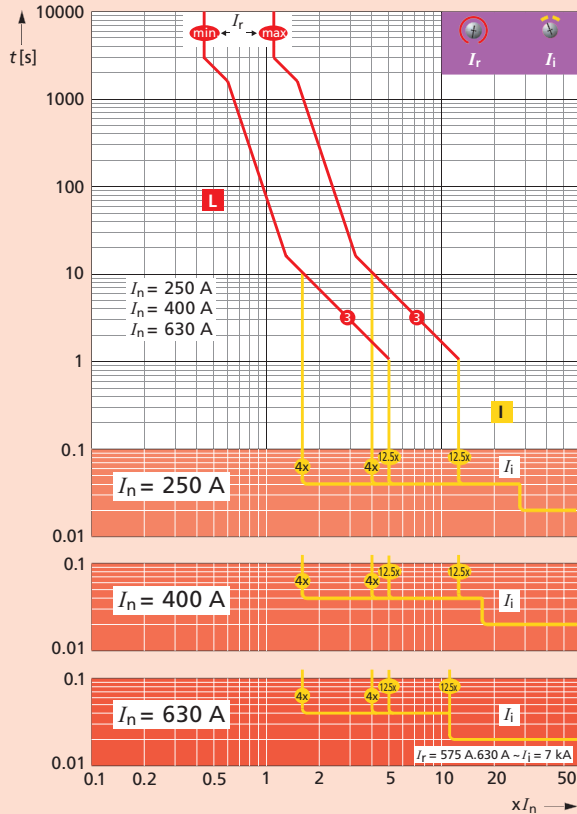
IR & II SET AT MAXIMUM

100	800A	600A	230V	0.288Ω	0.383Ω
160	1280A	960A	230V	0.180Ω	0.240Ω
250	2000A	1500A	230V	0.115Ω	0.153Ω

IR SET AT MAXIMUM & II SET AT MINIMUM

100	400A	400A	230V	0.575Ω	0.575Ω
160	640A	640A	230V	0.359Ω	0.359Ω
250	1000A	1000A	230V	0.230Ω	0.230Ω

NHJ TIME / CURRENT CHARACTERISTICS



IR & II SET AT MINIMUM

AMPS	CURRENT VALUE (A)		VOLTAGE	OHMIC VALUE	
	0.4 SECONDS	5 SECONDS		0.4 SECONDS	5 SECONDS
250	375A	375A	230V	0.613Ω	0.613Ω
400	600A	600A	230V	0.383Ω	0.383Ω
630	945A	945A	230V	0.243Ω	0.243Ω

IR SET AT MINIMUM & II SET AT MAXIMUM

250	1250A	575A	230V	0.184Ω	0.400Ω
400	2000A	920A	230V	0.115Ω	0.250Ω
630	3150A	1449A	230V	0.073Ω	0.159Ω

IR & II SET AT MAXIMUM

250	3125A	1500A	230V	0.074Ω	0.153Ω
400	5000A	2400A	230V	0.046Ω	0.096Ω
630	7875A	3780A	230V	0.029Ω	0.061Ω

IR SET AT MAXIMUM & II SET AT MINIMUM

250	1000A	1000A	230V	0.230Ω	0.230Ω
400	1600A	1600A	230V	0.144Ω	0.144Ω
630	2520A	2520A	230V	0.091Ω	0.091Ω

DOMESTIC



PV ISOLATION

LIGHTING CONTROL



HEATING CONTROL



PV METERED
CONSUMER UNIT



CONSUMER UNIT



ADDITIONAL RCD
PROTECTION



SUPPLY ISOLATOR



SURGE PROTECTION

100A

COMMERCIAL



SUB DISTRIBUTION SINGLE PHASE



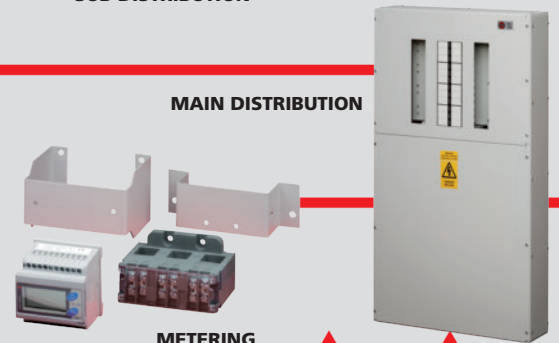
SUB DISTRIBUTION
THREE PHASE



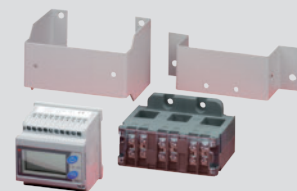
SUB DISTRIBUTION
THREE PHASE



SUB DISTRIBUTION



MAIN DISTRIBUTION



METERING

250A



INDUSTRIAL



LIFT ISOLATION



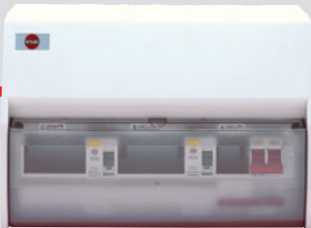
LIGHTING CONTROL



CONSUMER UNIT



CONSUMER UNIT



CONSUMER UNIT



H&V ISOLATION



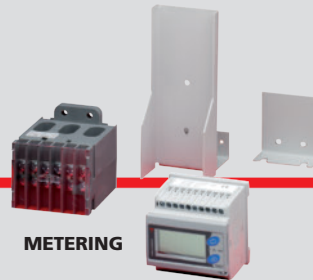
SUB DISTRIBUTION
THREE PHASE



SUB DISTRIBUTION
THREE PHASE
INTEGRAL METERING



SUB DISTRIBUTION



METERING



MAIN ISOLATION



LOCAL ISOLATION



SUB DISTRIBUTION SINGLE PHASE



LOCAL ISOLATION



MAIN
DISTRIBUTION



METERING



SURGE PROTECTION

630A



Electrium



ELECTRIUM SALES LIMITED A SIEMENS COMPANY

Commercial Centre, Lakeside Plaza, Walkmill Lane, Bridgtown, Cannock WS11 0XE.
eMail: info@electrium.co.uk Web: www.electrium.co.uk

UK SALES

Telephone: 01543 455020 Facsimile: 01543 455021 eMail: wylex.sales@electrium.co.uk

TECHNICAL

Telephone: 01543 438320 Facsimile: 01543 438321 eMail: wylex.technical@electrium.co.uk

EXPORT SALES

Telephone: +44 1543 455049 Facsimile: +44 1543 455048 eMail: export@electrium.co.uk

DUBAI OFFICE

Telephone: +971 4 3660687 Facsimile: +971 4 3660676 eMail: btlv.sales.ae@siemens.com

Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Latest details can be obtained from Wylex.

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