

# electrium



Panel Boards  
& Devices



electrium

LAKE  
SIDE  
POINT  
AD  
2005

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Wylex is part of Electrium Sales Ltd.

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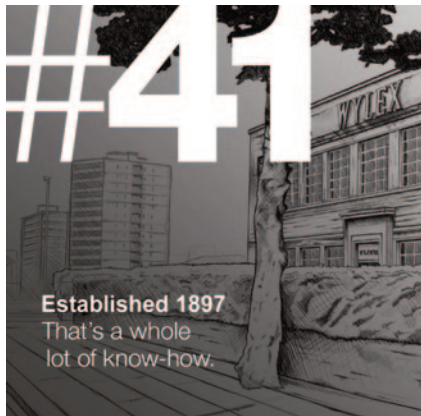


As a leading manufacturer of electrical installation equipment, Wylex is committed to the continual improvement of all quality assurance procedures and performance.

WHY CHOOSE ANYTHING LESS?

# GOOD REASONS TO CHOOSE WYLEX

(THERE'S NO END OF THEM)



UK Based development teams design Wylex products from scratch and look after every stage of the design and performance validation process.

As part of the Siemens family Wylex benefits from the Siemens global manufacturing network by sourcing circuit protection devices 'in house' meaning you can be sure of the quality and the performance of the product.



The Wylex test laboratory in Manchester is accredited by the United Kingdom Accreditation Service (UKAS). This ensures everyone from specifiers, purchasers and users can have complete confidence in the standards of goods and in the provision of services at every stage of the supply chain.

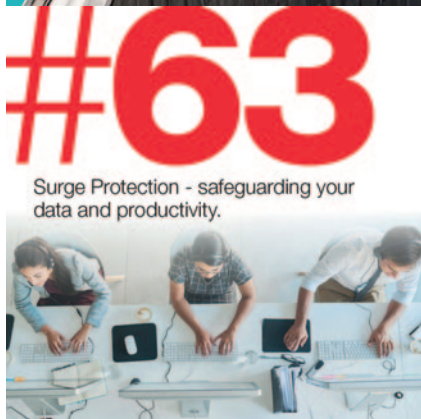
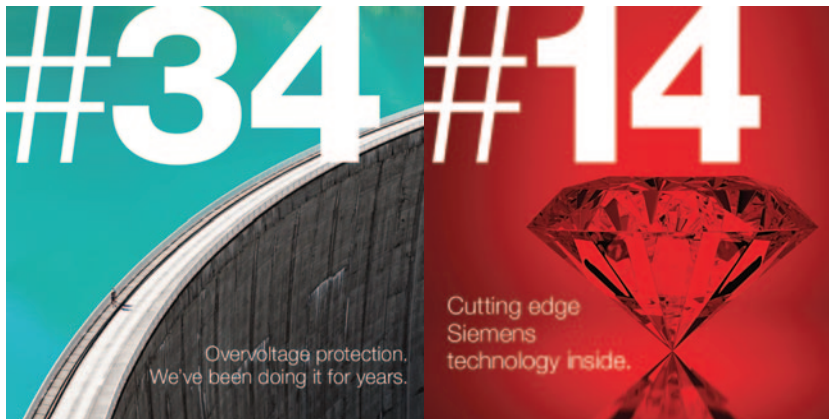
With an extensive range of commercial circuit protection products made in the UK, for the UK, finding the right product for your needs from the catalogue should be easy.



Wylex offers specifiers & installers a comprehensive range of commercial and industrial circuit protection products with three phase MCB distribution boards and MCCB panelboards and devices for commercial and industrial applications.

There is also a range of fuse switch combination units and enclosed isolators in TP&N or SP&N configurations.

Devices, including surge protection devices, contactors, timers, meters and switch disconnectors alongside MCCBs, MCBs, RCBOs and AFDDs complete the range.



WHY CHOOSE ANYTHING LESS?

# NH VM160 MCCB PANELBOARDS & DEVICES

## Devices

- MCCBs 16A - 250A
- Single and Triple Pole
- $I_{CU} = 16 - 55kA @ 415V$  in accordance with BS EN 60947-2
- Complete range of accessories eg. shunt trip, UVR
- Extension terminals to accommodate oversized cables

## System

- Form 3b Type 2 (TPN Version)
- $I_{CU}$  values up to 65kA for 1 second
- Cableways with fully removable side walls to facilitate access for cabling
- Keyhole fixings easily accessible with power tools
- Complete range of enclosure accessories eg. Add-on TPN Distribution Board
- Easy wire metering solutions
- Optional Overvoltage Protection Units and Outgoing Earth Leakage Protection
- RAL 7035 Grey Powder Coat Finish
- Designed and manufactured in the UK, in accordance with BS EN 61439-2
- Factory Built Options Available







# 250A NH VM160 Panelboard



NHVM32512

## 250A PANELBOARD

Outgoing Ways	H	W	D	List No
6 way	902mm	700mm	198mm	<b>NHVM32506</b>
12 way	1132mm	700mm	198mm	<b>NHVM32512</b>
18 way	1361mm	700mm	198mm	<b>NHVM32518</b>

- 250A rated
- Type tested & ASTA certified to IEC 61439-2; Ed 2 2011-08
- 25kA for 1s Short Circuit Withstand Strength
- 3b Type 2 Form of Separation
- IP3X (door closed)
- Compatible with MCCBs from 16A to 160A SP & TP Only



NHVA4250SW

## 250A PANELBOARD INCOMERS

Description	List No
250A TP Switch Disconnecter	<b>NHVA3250SW</b>
250A 4P Switch Disconnecter	<b>NHVA4250SW</b>
250A Direct Connection Coppers	<b>NHVA4250DC</b>
Incoming Device Interconnections TP*	<b>NHVA3250CK</b>
Incoming Device Interconnections 4P*	<b>NHVA4250CK</b>

\* Inter connections are necessary when selecting a switch disconnecter

- Max cable lug connection/busbar 24mm wide

### Switch Disconnectors:

- Fixed Short Circuit Release

## 250A INCOMER TERMINAL EXTENSIONS

### TP Incomer Kits

50 - 185mm Box Terminal	<b>NHVA9253-0JA12</b>
50 - 240mm Cable Terminal inc Ext Shield	<b>NHVA9213-0JJ13</b>
Extended Front Terminal inc PhaseBarriers	<b>NHVA9253-0QB00</b>
Ext Spreaded Front Terminal inc Phase Barriers	<b>NHVA9253-0QC00</b>
Extended Terminal Shield (1pc)	<b>NHVA9211-0WF30</b>
Extended Spreaded Terminal Shield (1pc)	<b>NHVA9211-0WG30</b>

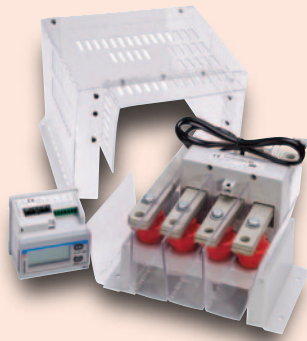
### 4P Incomer Kits

50 - 185mm Box Terminal	<b>NHVA9254-0JA12</b>
50 - 240mm Cable Terminal inc Ext Shield	<b>NHVA9214-0JJ13</b>
Extended Front Terminal inc Phase Barriers	<b>NHVA9254-0QB00</b>
Ext Spreaded Front Terminal inc Phase Barriers	<b>NHVA9254-0QC00</b>
Extended Terminal Shield (1pc)	<b>NHVA9211-0WF40</b>
Extended Spreaded Terminal Shield (1pc)	<b>NHVA9211-0WG40</b>





# 250A NH VM160 Panelboard Incoming Options



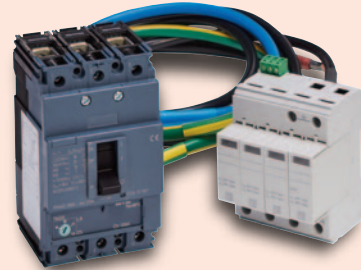
NHVA250IMKMID

## INTEGRAL INCOMING METERING

### Incomer Metering

Standard	List No
250A Meter Kit	<b>NHVA250IMKSTD</b>
MID	
250A Meter Kit	<b>NHVA250IMKMID</b>

- Contains Digital Meter offering amps, volts, kWh readout, block current transformer for standard solutions or 3 x single current transformers for MID solutions, mounting plates & cable looms. The latter supplied loose for connection by installer
- Only one of the above options is possible per panelboard
- Voltage supply loom kit required for any metering option



NHVMPNSA

## INTEGRAL SURGE PROTECTION

### Incoming Surge Protection

250A & 400A Panelboards	List No
Lightning Arrester Kit (Type 1)	<b>NHVMPNLA</b>
Surge Arrester Kit (Type 2)	<b>NHVMPNSA</b>
Combo Lightning & Surge Arrester Kit (Type1/2)	<b>NHVMPNCLSA</b>

- Each kit contains: Arrester, MCCB, mounting base & cables
- Kits will utilise the bottom right hand outgoing way for MCCB connection
- Only one of the above options is possible per panelboard



# 400A NH VM160 Panelboard



NHVM34012



NHVA3400MCCB

## 400A PANELBOARD

Outgoing Ways	H	W	D	List No
6 way	1132mm	700mm	198mm	<b>NHVM34006</b>
12 way	1361mm	700mm	198mm	<b>NHVM34012</b>
18 way	1591mm	700mm	198mm	<b>NHVM34018</b>

- 400A rated
- Type tested & ASTA certified to IEC 61439-2; Ed 2 2011-08
- 35kA for 1s Short Circuit Withstand Strength
- 3b Type 2 Form of Separation
- IP3X (door closed)
- Compatible with MCCBs from 16A to 160A SP & TP Only

## ADD ON OPTION

Description	List No
Add-on 2 way 250A TP Outgoing MCCB Housing	<b>NHVM3P2502</b>

- For use with 400A Panelboards
- Includes all interconnections
- Accepts 200A & 250A TP MCCBs only
- Busbar 25kA for 1s Short Circuit Withstand Strength
- Dims: 230mm high x 1198mm wide x 198mm deep

## 36kA I<sub>cu</sub> @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION MCCBs

### For use in above Add-on Unit

Rated Current	TP
200A	<b>NHVSPCB2003</b>
250A	<b>NHVSPCB2503</b>

## 400A PANELBOARD INCOMERS

Description	List No
400A TP Switch Disconnecter	<b>NHVA3400SW</b>
400A 4P Switch Disconnecter	<b>NHVA4400SW</b>
400A TP MCCB	<b>NHVA3400MCCB</b>
400A 4P MCCB	<b>NHVA4400MCCB</b>
400A Direct Connection Coppers	<b>NHVA4400DC</b>
Incoming Device Interconnections TP*	<b>NHVA3400CK</b>
Incoming Device Interconnections 4P*	<b>NHVA4400CK</b>

\* Inter connections are necessary when selecting a switch disconnecter or MCCB incoming device

- Max cable lug connection/busbar 32mm wide

### MCCBs:

- Electronic Trip Unit LI for System Protection

### Switch Disconnectors:

- Fixed Short Circuit Release

## 400A INCOMER TERMINAL EXTENSIONS

### TP Incomer Kits

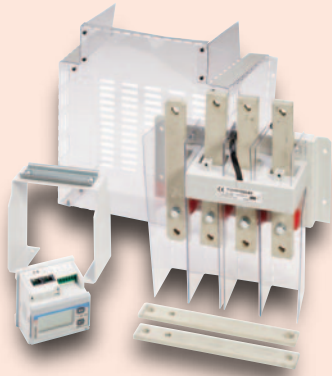
35 - 300mm Box Terminal	<b>NHVA9483-0JA13</b>
Extended Front Terminal inc Phase Barriers	<b>NHVA9483-0QB00</b>
Ext Spreaded Front Terminal inc Phase Barriers	<b>NHVA9483-0QC00</b>
Extended Terminal Shield (1pc)	<b>NHVA9481-0WF30</b>
Extended Spreaded Terminal Shield (1pc)	<b>NHVA9401-0WG30</b>

### 4P Incomer Kits

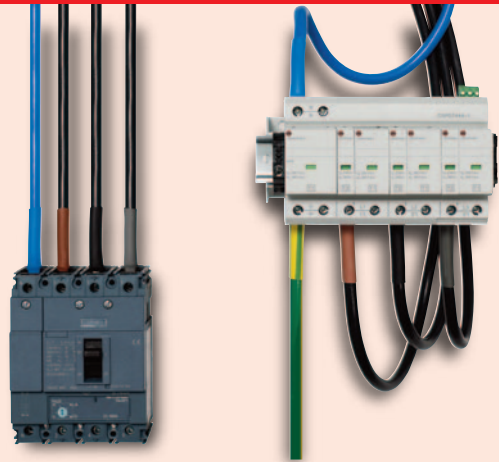
35 - 300mm Box Terminal	<b>NHVA9484-0JA13</b>
Extended Front Terminal inc Phase Barriers	<b>NHVA9484-0QB00</b>
Ext Spreaded Front Terminal inc Phase Barriers	<b>NHVA9484-0QC00</b>
Extended Terminal Shield (1pc)	<b>NHVA9481-0WF40</b>
Extended Spreaded Terminal Shield (1pc)	<b>NHVA9401-0WG40</b>



# 400A NH VM160 Panelboard Incoming Options



NHVA400IMKSTD



NHVMTPNCLSA

## INTEGRAL INCOMING METERING

### Incomer Metering

Standard	List No
400A Meter Kit	<b>NHVA400IMKSTD</b>
<b>MID</b>	
400A Meter Kit	<b>NHVA400IMKMID</b>

- Contains Digital Meter offering amps, volts, kWh readout, block current transformer for standard solutions or 3 x single current transformers for MID solutions, mounting plates & cable looms. The latter supplied loose for connection by installer
- Only one of the above options is possible per panelboard
- Voltage supply loom kit **NHVMVSLK** required for any metering option

## INTEGRAL SURGE PROTECTION

### Incoming Surge Protection

250A & 400A Panelboards	List No
Lightning Arrester Kit (Type 1)	<b>NHVMTPNLA</b>
Surge Arrester Kit (Type 2)	<b>NHVMTPNSA</b>
Combo Lightning & Surge Arrester Kit (Type1/2)	<b>NHVMTPNCLSA</b>

- Each kit contains: Arrester, MCCB, mounting base & cables
- Kits will utilise the bottom right hand outgoing way for MCCB connection
- Only one of the above options is possible per panelboard



# 630A NH VM160 Panelboard



NHVM36312



NHVA3630MCCB

## 630A PANELBOARD

Outgoing Ways	H	W	D	List No
6 way	1132mm	700mm	198mm	<b>NHVM36306</b>
12 way	1361mm	700mm	198mm	<b>NHVM36312</b>
18 way	1591mm	700mm	198mm	<b>NHVM36318</b>

- 630A rated
- Type tested & ASTA certified to IEC 61439-2; Ed 2 2011-08
- 35kA for 1s Short Circuit Withstand Strength
- 3b Type 2 Form of Separation
- IP3X (door closed)
- Compatible with MCCBs from 16A to 160A SP & TP Only

## ADD ON OPTION

Description	List No
Add-on 2 way 250A TP Outgoing MCCB Housing	<b>NHVM3P2502</b>

- For use with 630A Panelboards
- Includes all interconnections
- Accepts 200A & 250A TP MCCBs only
- Busbar 25kA for 1s Short Circuit Withstand Strength
- Dims: 230mm high x 1198mm wide x 198mm deep

## 36kA I<sub>cu</sub> @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION MCCBs

### For use in above Add-on Unit

Rated Current	TP
200A	<b>NHVSPCB2003</b>
250A	<b>NHVSPCB2503</b>

## 630A PANELBOARD INCOMERS

Description	List No
630A TP Switch Disconnecter	<b>NHVA3630SW</b>
500A 4P Switch Disconnecter	<b>NHVA4630SW</b>
630A TP MCCB	<b>NHVA3630MCCB</b>
630A 4P MCCB	<b>NHVA4630MCCB</b>
630A Direct Connection Coppers	<b>NHVA4630DC</b>
Incoming Device Interconnections TP*	<b>NHVA3630CK</b>
Incoming Device Interconnections 4P*	<b>NHVA4630CK</b>

\* Inter connections are necessary when selecting a switch disconnecter or MCCB incoming device

- Max cable lug connection/busbar 32mm wide

### MCCBs:

- Electronic Trip Unit LI for System Protection

### Switch Disconnectors:

- Fixed Short Circuit Release

## 630A INCOMER TERMINAL EXTENSIONS

### TP Incomer Kits

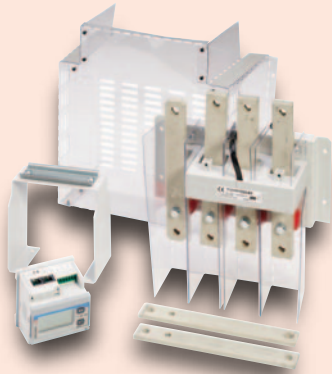
35 - 300mm Box Terminal	<b>NHVA9483-0JA13</b>
Extended Front Terminal inc Phase Barriers	<b>NHVA9483-0QB00</b>
Ext Spreaded Front Terminal inc Phase Barriers	<b>NHVA9483-0QC00</b>
Extended Terminal Shield (1pc)	<b>NHVA9481-0WF30</b>
Extended Spreaded Terminal Shield (1pc)	<b>NHVA9401-0WG30</b>

### 4P Incomer Kits

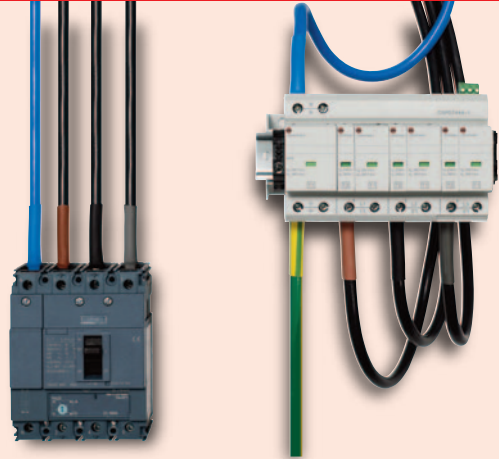
35 - 300mm Box Terminal	<b>NHVA9484-0JA13</b>
Extended Front Terminal inc Phase Barriers	<b>NHVA9484-0QB00</b>
Ext Spreaded Front Terminal inc Phase Barriers	<b>NHVA9484-0QC00</b>
Extended Terminal Shield (1pc)	<b>NHVA9481-0WF40</b>
Extended Spreaded Terminal Shield (1pc)	<b>NHVA9401-0WG40</b>



# 630A NH VM160 Panelboard Incoming Options



NHVA400IMKSTD



NHVMTPNCLSA

## INTEGRAL INCOMING METERING

### Incomer Metering

Standard	List No
630A Meter Kit	<b>NHVA630IMKSTD</b>
<b>MID</b>	
630A Meter Kit	<b>NHVA630IMKMID</b>

- Contains Digital Meter offering amps, volts, kWh readout, block current transformer for standard solutions or 3 x single current transformers for MID solutions, mounting plates & cable looms. The latter supplied loose for connection by installer
- Only one of the above options is possible per panelboard
- Voltage supply loom kit required for any metering option **NHVMVSLK**

## INTEGRAL SURGE PROTECTION

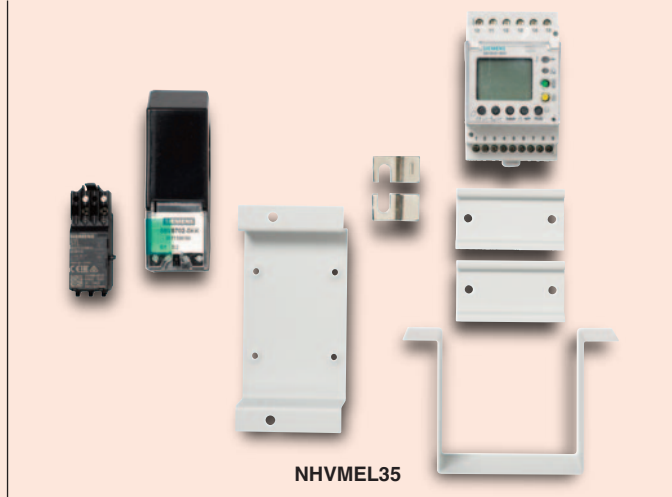
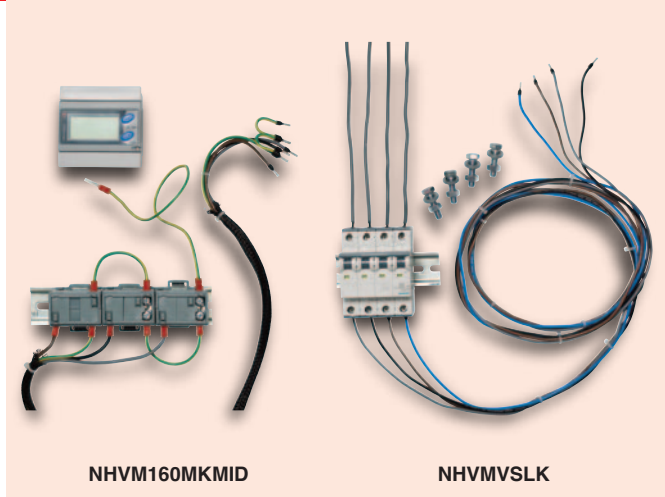
### Incoming Surge Protection

250A, 400A & 630A Panelboards	List No
Lightning Arrester Kit (Type 1)	<b>NHVMTPNLA</b>
Surge Arrester Kit (Type 2)	<b>NHVMTPNSA</b>
Combo Lightning & Surge Arrester Kit (Type1/2)	<b>NHVMTPNCLSA</b>

- Each kit contains: Arrester, MCCB, mounting base & cables
- Kits will utilise the bottom right hand outgoing way for MCCB connection
- Only one of the above options is possible per panelboard



# NH VM160 Outgoing Options



## OUTGOING METERING

### Standard Metering

Available outputs: Pulse & MODBUS (RTU)	List No
160A 3ph Meter Kit	<b>NHVM160MKSTD</b>
250A 3ph Meter Kit	<b>NHVM250MKSTD</b>

Additional current transformer blocks to enable an existing meter to monitor a second 3ph supply.

	List No
160A 3ph current transformer	<b>NHVM160MKCT</b>
250A 3ph current transformer	<b>NHVM250MKCT</b>

Each current transformer is supplied with a RJ11 plug-in cable for connection to the meter.

### MID Metering

Available output: Pulse and Modbus	List No
160A 3ph 4w Meter Kit	<b>NHVM160MKMID</b>
250A 3ph 4w Meter Kit	<b>NHVM250MKMID</b>

- Contains Digital meter offering amps, volts, kWh readout, block current transformer (or 3 x ct's for MID), mounting plates & cable looms. The latter supplied loose for connection by others

<b>Meter Pack Voltage Supply Cable Loom</b>	List No
250A, 400A & 630A Panelboards	<b>NHVMVSLK</b>

- Voltage supply loom kit required for any metering option

## OUTGOING EARTH LEAKAGE PROTECTION

### Outgoing Earth Leakage kit

Consisting:  
 Modular Residual Current Device (MRCDD) with adjustable earth leakage sensitivity from 30mA to 3A (0.03A, 0.1A, 0.3A, 0.5A, 1A, 2A, 3A)  
 Adjustable time delay from 0 to 10s (INS, SEL, 0.06s, 0.1s, 0.3s, 0.4s, 0.5s, 1s, 3s, 5s, 10s) and Summation Current Transformer

	List No
35mm Internal Diameter	<b>NHVMEL35</b>
70mm Internal Diameter	<b>NHVMEL70</b>

<b>Earth Leakage Voltage Supply Loom</b>	List No
250A, 400A & 630A Panelboards	<b>NHVMVSLK</b>

- Voltage supply loom required for all earth leakage options



Size 1



Size 2

## METER CABLEWAYS

Description	Meter			List No	
	Knockouts	250	400		630
Size 1	4	6w	-	-	<b>NHVM1MCW</b>
Size 2	6	12w	6w	6w	<b>NHVM2MCW</b>
Size 3	7	18w	12w	12w	<b>NHVM3MCW</b>
Size 4	9	-	18w	18w	<b>NHVM4MCW</b>

## EARTH LEAKAGE CABLEWAYS

Description	Earth Leakage				List No
	Cut Outs	250	400	630	
Size 1	3	6w	-	-	<b>NHVM1ECW</b>
Size 2	4	12w	6w	6w	<b>NHVM2ECW</b>
Size 3	5	18w	12w	12w	<b>NHVM3ECW</b>
Size 4	6	-	18w	18w	<b>NHVM4ECW</b>



# NH VM160 Accessories



**NHVMTPNDB**

## ADD ON OPTIONS

Description	List No
Add-on Control Module Enclosure 24 module (each 18mm wide), DIN rail Dims: 230mm high x 700mm wide x 198mm deep	<b>NHVM24CME</b>
Add-on 100A SPN Distribution Board - 20 way SPN Supplied with 100A DP Switch Disconnecter and comb busbar Accepts up to 63A NH MCBs Dims: 230mm high x 700mm wide x 198mm deep	<b>NHVMSPNDB</b>
Add-on 80A TPN Distribution Board - 6 way TPN Supplied with 80A TPN Switch Disconnecter and comb busbar Accepts up to 63A NH MCBs Dims: 230mm high x 700mm wide x 198mm deep	<b>NHVMTPNDB</b>
Add-on Cable Spreader Box Empty Enclosure Dims: 230mm high x 700mm wide x 198mm deep	<b>NHVM1CSB</b>
Corner Unit	<b>NHVMCU</b>

• Two corner units required per add on option with the exception of **NHVM3P2502**



## ACCESSORIES

Panelboard Accessories	List No
Aluminium Gland Plate, 3mm - Panelboard	<b>NHVMSPGPAP</b>
Aluminium Gland Plate, 3mm - Cableway	<b>HVMPISPGPAC</b>
Brass Gland Plate, 3mm - Panelboard	<b>NHVMSPGPBP</b>
Brass Gland Plate, 3mm - Cableway	<b>NHVMSPGPBC</b>
<b>Spares or Replacement parts:</b>	
Replacement Gland Plates - Panelboard	<b>NHVMSPGPP</b>
Replacement Gland Plates - Cableway	<b>NHVMSPGPC</b>
Door Lock	<b>NHVMSPDL</b>
Door Hinge (set of 2)	<b>NHVMSPHG</b>
Door Lock Latch	<b>NHVMBPDL</b>
Lock & Key	<b>NHVMSPLK</b>
Oversized Cable Clamps for Terminal Bar (35mm <sup>2</sup> ) pk of 3	<b>NHVMSPCC</b>
Oversized Cable Clamps for Terminal Bar (70mm <sup>2</sup> ) pk of 3	<b>NHVMSPCC2</b>
Incoming Earth Connection	<b>NHVMSPIEK</b>
Replacement Fixings Kit	<b>NHVMSPF1</b>
Terminal Bar (11 Connections)	<b>NHVMSPTB1</b>
Terminal Bar (21 Connections)	<b>NHVMSPTB2</b>
Terminal Bar (31 Connections)	<b>NHVMSPTB3</b>
Replacement Way Label (For Cover Plate)	
6-Way	<b>NHVMSPWL1</b>
12-Way	<b>NHVMSPWL2</b>
18-Way	<b>NHVMSPWL3</b>
4-Way (4P)	<b>NHVMSPWL4</b>
8-Way (4P)	<b>NHVMSPWL5</b>
12-Way (4P)	<b>NHVMSPWL6</b>





# NH VM160 Outgoing MCCBs



NHVFPCB1001

**25kA I<sub>cu</sub> @ 415V AC FIXED THERMAL & FIXED SHORT CIRCUIT PROTECTION**

**FOR USE IN 250A, 400A & 630A PANEL BOARDS**

Rated Current	SP
16A	NHVFPCB161
20A	NHVFPCB201
25A	NHVFPCB251
32A	NHVFPCB321
40A	NHVFPCB401
50A	NHVFPCB501
63A	NHVFPCB631
80A	NHVFPCB801
100A	NHVFPCB1001
125A	NHVFPCB1251
160A	NHVFPCB1601

Rated Current	TP
16A	NHVFPCB163
20A	NHVFPCB203
25A	NHVFPCB253
32A	NHVFPCB323
40A	NHVFPCB403
50A	NHVFPCB503
63A	NHVFPCB633
80A	NHVFPCB803
100A	NHVFPCB1003
125A	NHVFPCB1253
160A	NHVFPCB1603



NHVNPCB503

**25kA I<sub>cu</sub> @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION**

**FOR USE IN 250A, 400A & 630A PANEL BOARDS**

Rated Current	TP
16A	NHVNPCB163
20A	NHVNPCB203
25A	NHVNPCB253
32A	NHVNPCB323
40A	NHVNPCB403
50A	NHVNPCB503
63A	NHVNPCB633
80A	NHVNPCB803
100A	NHVNPCB1003
125A	NHVNPCB1253
160A	NHVNPCB1603



# NH VM160 Outgoing MCCBs



NHVSPCB803



NHVMPCB503

**36kA I<sub>cu</sub> @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION**

### FOR USE IN 250A, 400A & 630A PANEL BOARDS

Rated Current	TP
16A	<b>NHVSPCB163</b>
20A	<b>NHVSPCB203</b>
25A	<b>NHVSPCB253</b>
32A	<b>NHVSPCB323</b>
40A	<b>NHVSPCB403</b>
50A	<b>NHVSPCB503</b>
63A	<b>NHVSPCB633</b>
80A	<b>NHVSPCB803</b>
100A	<b>NHVSPCB1003</b>
125A	<b>NHVSPCB1253</b>
160A	<b>NHVSPCB1603</b>

**55kA I<sub>cu</sub> @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION**

### FOR USE IN 250A, 400A & 630A PANEL BOARDS

Rated Current	TP
16A	<b>NHVMPCB163</b>
20A	<b>NHVMPCB203</b>
25A	<b>NHVMPCB253</b>
32A	<b>NHVMPCB323</b>
40A	<b>NHVMPCB403</b>
50A	<b>NHVMPCB503</b>
63A	<b>NHVMPCB633</b>
80A	<b>NHVMPCB803</b>
100A	<b>NHVMPCB1003</b>
125A	<b>NHVMPCB1253</b>
160A	<b>NHVMPCB1603</b>



**NEUTRAL LINKS**

## NEUTRAL LINKS

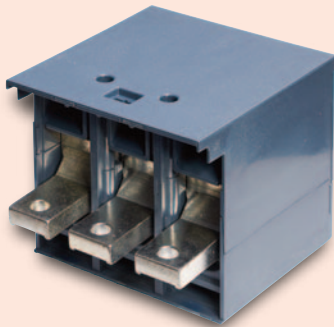
Description	List No
160A Neutral Link Outgoing	<b>NHVMNL11</b>
250A Neutral Link Outgoing	<b>NHVMNL12</b>



**MCCB ACCESSORIES**

## MCCB ACCESSORIES

Door Blanks	List No
SP	<b>NHVMSPDBK</b>
TP	<b>NHVMTPDBK</b>
<b>MCCB Dolly Locking Device</b>	<b>NHVMDL D</b>
<b>Aux Switch - SP C/O</b>	<b>NHVMAUXCC</b>
<b>Trip Alarm Switch - SP C/O</b>	<b>NHVMTAS</b>
<b>Undervoltage Release</b>	
110V 50/60Hz	<b>NHVMAUV/110</b>
208..230V 50/60Hz	<b>NHVMAUV/230</b>
125..127VDC	<b>NHVMAUV/125</b>
<b>Shunt Trip</b>	
24VAC / 24..30VDC	<b>NHVMAST/24</b>
208..277VAC 50/60Hz 220..250VDC	<b>NHVMAST/230</b>



NHVM3TES150



NHVM9111-0WF30

## MCCB ACCESSORIES

	List No
25...150mm Cu/Al cable extensions consisting: 3 x single terminals and 1 extended terminal cover	<b>NHVM3TES150</b>
25...150mm Cu/Al cable extensions consisting: 4 x single terminals and 1 extended terminal cover	<b>NHVM4TES150</b>

<b>MCCB Extension Bars</b>	
for 160A TP MCCBs	<b>NHVM3160FCB</b>

<b>Auxiliary Cable Clamp Terminals</b>	
160A MCCB box terminals	<b>NHVM160CACT</b>
160A MCCB busbar terminals	<b>NHVM160BACT</b>

## SHROUDS

	List No
SP 3VM Short Terminal Shroud	<b>NHVM9111-0WD10</b>
TP 3VM Short Terminal Shroud	<b>NHVM9111-0WD30</b>
TP 3VM Long Terminal Shroud	<b>NHVM9111-0WF30</b>

- When using terminal shrouds please also select cable-ways



# Legacy MCCBs for GG Extension Panelboards



NHGGPCB201



NHGGPCB1253

## OUTGOING SP G FRAME MCCBs

### Description

15A MCCB	<b>NHGGPCB151</b>
20A MCCB	<b>NHGGPCB201</b>
25A MCCB	<b>NHGGPCB251</b>
30A MCCB	<b>NHGGPCB301</b>
40A MCCB	<b>NHGGPCB401</b>
50A MCCB	<b>NHGGPCB501</b>
60A MCCB	<b>NHGGPCB601</b>
80A MCCB	<b>NHGGPCB801</b>
100A MCCB	<b>NHGGPCB1001</b>
125A MCCB	<b>NHGGPCB1251</b>

## OUTGOING TP G FRAME MCCBs

### Description

15A MCCB	<b>NHGGPCB153</b>
20A MCCB	<b>NHGGPCB203</b>
25A MCCB	<b>NHGGPCB253</b>
30A MCCB	<b>NHGGPCB303</b>
40A MCCB	<b>NHGGPCB403</b>
50A MCCB	<b>NHGGPCB503</b>
60A MCCB	<b>NHGGPCB603</b>
80A MCCB	<b>NHGGPCB803</b>
100A MCCB	<b>NHGGPCB1003</b>
125A MCCB	<b>NHGGPCB1253</b>

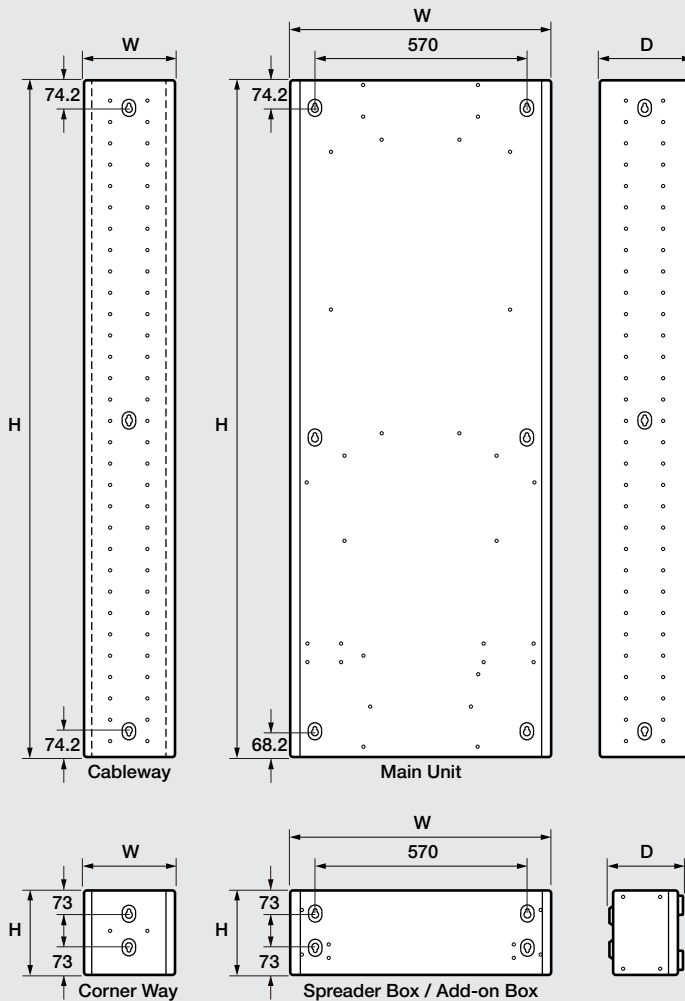


GG Extension Panelboard



## PANELBOARD AND CABLEWAY DIMENSIONS

Part No.	Description	Dimensions (mm)			Distance from Gland Plate to Incoming Terminals
		H	W	D	
<b>Panelboards</b>					
	250A: 6 way	902	700	198	257mm
	12 way	1132	700	198	257mm
	18 way	1361	700	198	257mm
	400A: 6 way	1132	700	198	342mm
	12 way	1361	700	198	342mm
	18 way	1591	700	198	342mm
	630A: 6 way	1132	700	198	342mm
	12 way	1361	700	198	342mm
	18 way	1591	700	198	342mm
<b>Cableways</b>					
	Corner Unit	230	249	184	
	Size 1	902	249	198	
	Size 2	1132	249	198	
	Size 3	1361	249	198	
	Size 4	1591	249	198	
<b>Add-on Units</b>					
	2x250A TP Outgoer	230	1198	198	
	Control Module	230	700	198	
	SPN Dist Board	230	700	198	
	TPN Dist Board	230 <td 700	198		
	Spreader Box	230	700	184	



Technical Data Sheets available on request from:  
[wylex.technical@electrium.co.uk](mailto:wylex.technical@electrium.co.uk)



## TECHNICAL DATA

	250A	400A	630A
Standards Compliance	IEC 61439-2; Ed 2 2011-08		
Short Circuit Withstand Strength	25kA for 1s		35kA for 1s
Rated Voltage	230/400V 3ph 50Hz		
Mounting	Wall /Floor		
Entry	Bottom		
Access	All Sides		
Form of Separation	F3bT2		
Degree of Protection	IP3X (door closed)		
Paint Finish	Light Grey RAL7035		

### Cable Capacity

### Maximum Stranded Cu Cable

	Incoming				Outgoing		
	Sw Disc or MCCB	Direct Connect	Neutral	Earth	160A MCCB	Neutral	Earth
250A Panelboard	25..185mm <sup>2</sup>	M8	M10	M10	70mm <sup>2</sup>	35mm <sup>2</sup>	35mm <sup>2</sup>
400A Panelboard	50..300mm <sup>2</sup>	M10	M10	M10	70mm <sup>2</sup>	35mm <sup>2</sup>	35mm <sup>2</sup>
630A Panelboard	50..300mm <sup>2</sup>	M10	M10	M10	70mm <sup>2</sup>	35mm <sup>2</sup>	35mm <sup>2</sup>

### Available Terminals:

### Neutral Bars

### Earth Bars

	Neutral Bars			Earth Bars		
	6 way	12 way	18 way	6 way	12 way	18 way
250A Panelboard	22	42	62	22	42	62
400A Panelboard	22	42	62	22	42	62
630A Panelboard	22	42	62	22	42	62

### Meter Cableways

Description	Meter				List No
	Knockouts	250	400	630	
Size 1	4	6w	-	-	<b>NHVM1MCW</b>
Size 2	6	12w	6w	6w	<b>NHVM2MCW</b>
Size 3	7	18w	12w	12w	<b>NHVM3MCW</b>
Size 4	9	-	18w	18w	<b>NHVM4MCW</b>

### Earth Leakage Cableways

Description	Earth Leakage				List No
	Cut Outs	250	400	630	
Size 1	3	6w	-	-	<b>NHVM1ECW</b>
Size 2	4	12w	6w	6w	<b>NHVM2ECW</b>
Size 3	5	18w	12w	12w	<b>NHVM3ECW</b>
Size 4	6	-	18w	18w	<b>NHVM4ECW</b>

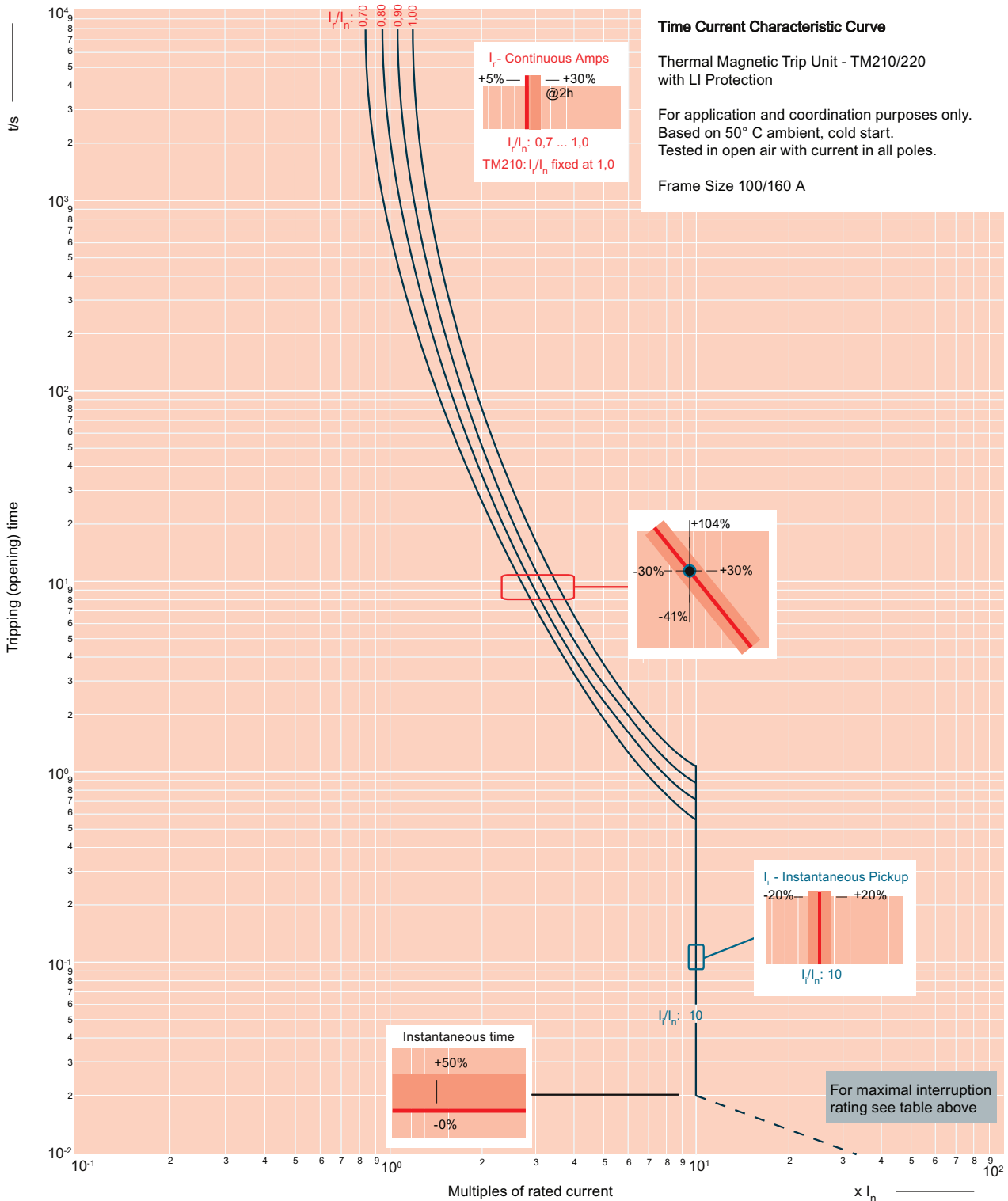
Typ/Model:

TM210/220

Tripping Curve VM160 with TM210/220

English

The content of this document was correct at the time of production but for up to date information please contact Technical Support







# NH VM160 - Zs Values

## MAX Zs VALUES BASED ON 230V PHASE TO EARTH VOLTAGE FOR MCCBs WITH FIXED THERMAL AND FIXED SHORT CIRCUIT PROTECTION

In A	5s Disconnection	0.4s Disconnection
	Ohms	Ohms
16A	1.62	0.57
20A	1.60	0.57
25A	1.69	0.57
32A	1.40	0.57
40A	1.13	0.46
50A	0.77	0.36
63A	0.82	0.29
80A	0.48	0.23
100A	0.37	0.18
125A	0.15	0.14
160A	0.11	0.11

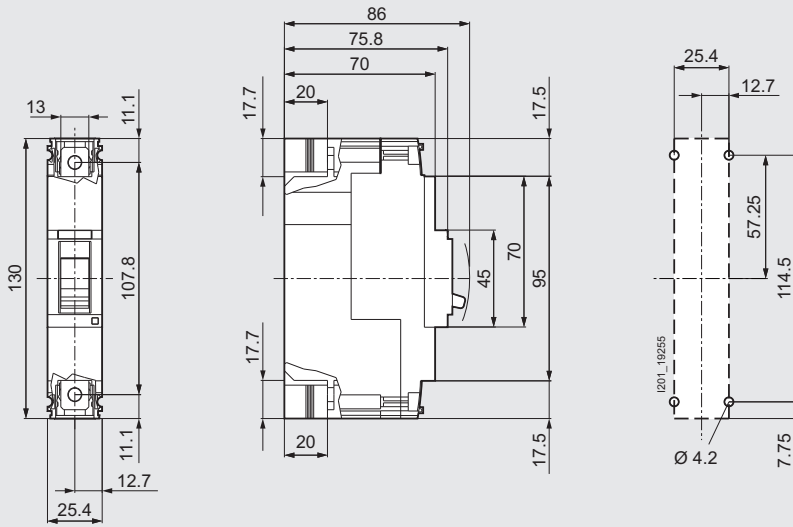
## MAX Zs VALUES BASED ON 230V PHASE TO EARTH VOLTAGE FOR MCCBs WITH ADJUSTABLE THERMAL AND FIXED SHORT CIRCUIT PROTECTION

In A	5s Disconnection		0.4s Disconnection	
	Adj. set at MIN	Adj. set at MAX	Adj. set at MIN	Adj. set at MAX
	Ohms		Ohms	
16A	2.31	1.62	0.64	0.57
20A	2.28	1.59	0.69	0.57
25A	2.42	1.69	0.73	0.57
32A	2.00	1.39	0.61	0.57
40A	1.61	1.12	0.49	0.46
50A	1.11	0.77	0.36	0.36
63A	1.17	0.82	0.37	0.29
80A	0.68	0.47	0.23	0.23
100A	0.52	0.36	0.18	0.18
125A	0.14	0.14	0.14	0.14
160A	0.16	0.11	0.11	0.11

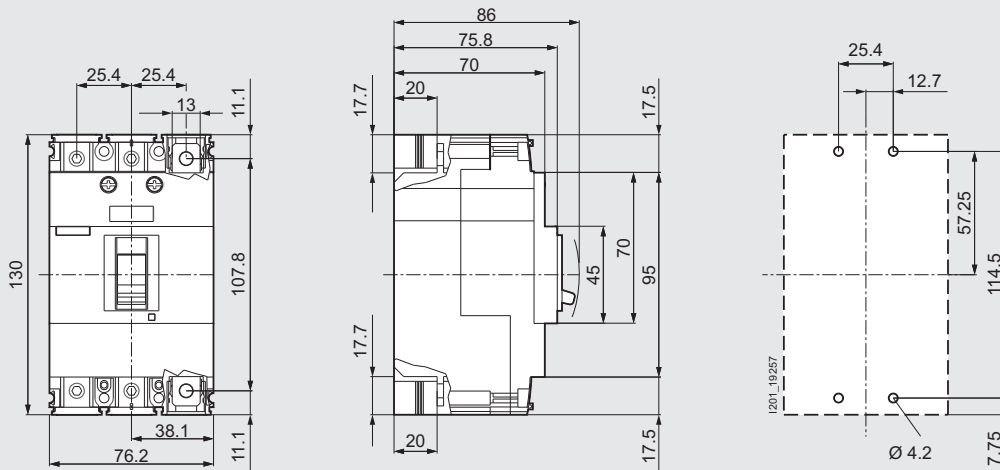


# NH VM160 - MCCB Dimensions

## 100/160 FRAME SINGLE POLE



## 100/160A FRAME TRIPLE POLE





# electrium

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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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