

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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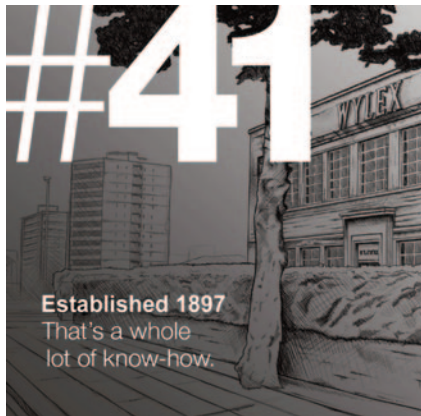


As a leading manufacturer of electrical installation equipment, Wylex is committed to the continual improvement of all quality assurance procedures and performance.

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.

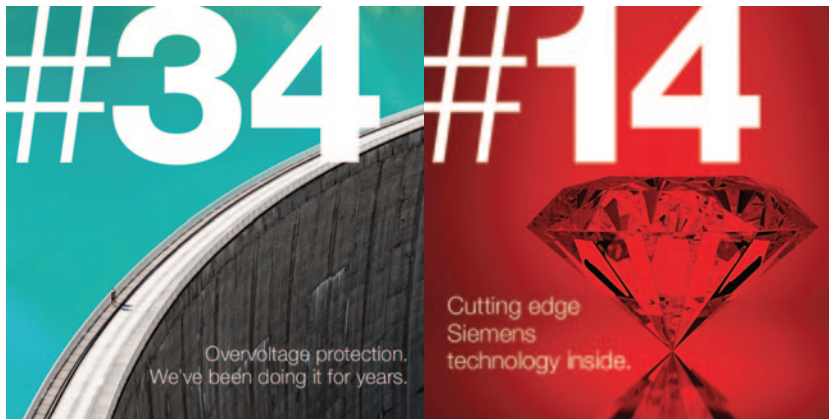
With an extensive range of commercial circuit protection products made in the UK, for the UK, finding the right product for your needs from the catalogue should be easy.



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 - 200A
- 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





WARNING
ISOLATE BEFORE
REMOVING COVER



WARNING
ISOLATE BEFORE
REMOVING COVER

DANGER
400V
WARNING
ISOLATE BEFORE
REMOVING COVER



DANGER
400 volts

WARNING
ISOLATE BEFORE
REMOVING COVER

DANGER
400 volts

WARNING
ISOLATE BEFORE
REMOVING COVER



250A NH VM160 Panelboard



NHVM32512

250A PANELBOARD

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

- 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	NHVA3250SW
250A 4P Switch Disconnecter	NHVA4250SW
250A Direct Connection Coppers	NHVA4250DC
Incoming Device Interconnections TP*	NHVA3250CK
Incoming Device Interconnections 4P*	NHVA4250CK

* 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

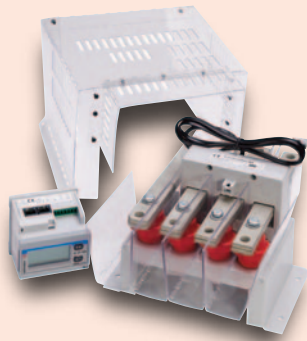
50 - 185mm Box Terminal	NHVA9253-0JA12
50 - 240mm Cable Terminal inc Ext Shield	NHVA9213-0JJ13
Extended Front Terminal inc PhaseBarriers	NHVA9253-0QB00
Ext Spreaded Front Terminal inc Phase Barriers	NHVA9253-0QC00
Extended Terminal Shield (1pc)	NHVA9211-0WF30
Extended Spreaded Terminal Shield (1pc)	NHVA9211-0WG30

4P Incomer Kits

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



250A NH VM160 Panelboard Incoming Options



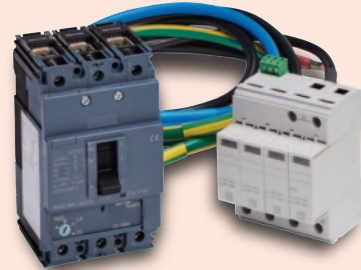
NHVA250IMKMID

INTEGRAL INCOMING METERING

Incomer Metering

Standard	List No
250A Meter Kit	NHVA250IMKSTD
MID	
250A Meter Kit	NHVA250IMKMID

- 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)	NHVMPNLA
Surge Arrester Kit (Type 2)	NHVMPNSA
Combo Lightning & Surge Arrester Kit (Type1/2)	NHVMPNCLSA

- 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	NHVM34006
12 way	1361mm	700mm	198mm	NHVM34012
18 way	1591mm	700mm	198mm	NHVM34018

- 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 200A TP Outgoing MCCB Housing	NHVM3P2502

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

36kA I_{cu} @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION MCCBs

For use in above Add-on Unit

Rated Current	TP
200A	NHVSPCB2003

400A PANELBOARD INCOMERS

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

* 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

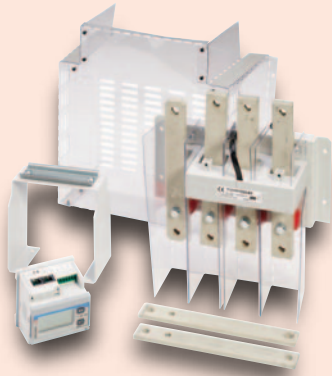
35 - 300mm Box Terminal	NHVA9483-0JA13
Extended Front Terminal inc Phase Barriers	NHVA9483-0QB00
Ext Spreaded Front Terminal inc Phase Barriers	NHVA9483-0QC00
Extended Terminal Shield (1pc)	NHVA9481-0WF30
Extended Spreaded Terminal Shield (1pc)	NHVA9401-0WG30

4P Incomer Kits

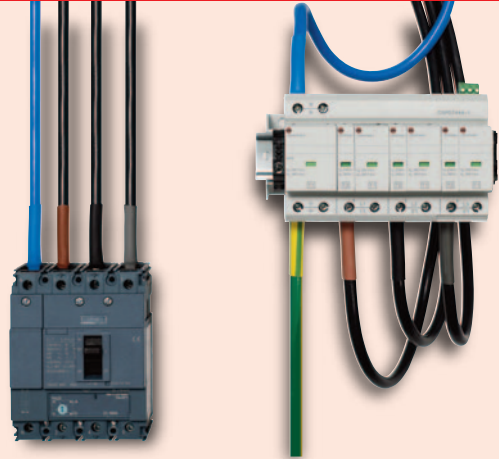
35 - 300mm Box Terminal	NHVA9484-0JA13
Extended Front Terminal inc Phase Barriers	NHVA9484-0QB00
Ext Spreaded Front Terminal inc Phase Barriers	NHVA9484-0QC00
Extended Terminal Shield (1pc)	NHVA9481-0WF40
Extended Spreaded Terminal Shield (1pc)	NHVA9401-0WG40



400A NH VM160 Panelboard Incoming Options



NHVA400IMKSTD



NHVMTPNCLSA

INTEGRAL INCOMING METERING

Incomer Metering

Standard	List No
400A Meter Kit	NHVA400IMKSTD
MID	
400A Meter Kit	NHVA400IMKMID

- 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)	NHVMTPNLA
Surge Arrester Kit (Type 2)	NHVMTPNSA
Combo Lightning & Surge Arrester Kit (Type1/2)	NHVMTPNCLSA

- 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	NHVM36306
12 way	1361mm	700mm	198mm	NHVM36312
18 way	1591mm	700mm	198mm	NHVM36318

- 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 200A TP Outgoing MCCB Housing	NHVM3P2502

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

36kA I_{cu} @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION MCCBs

For use in above Add-on Unit

Rated Current	TP
200A	NHVSPCB2003

630A PANELBOARD INCOMERS

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

* 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

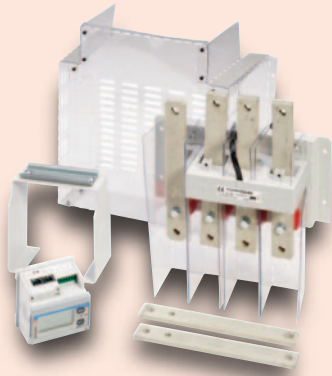
35 - 300mm Box Terminal	NHVA9483-0JA13
Extended Front Terminal inc Phase Barriers	NHVA9483-0QB00
Ext Spreaded Front Terminal inc Phase Barriers	NHVA9483-0QC00
Extended Terminal Shield (1pc)	NHVA9481-0WF30
Extended Spreaded Terminal Shield (1pc)	NHVA9401-0WG30

4P Incomer Kits

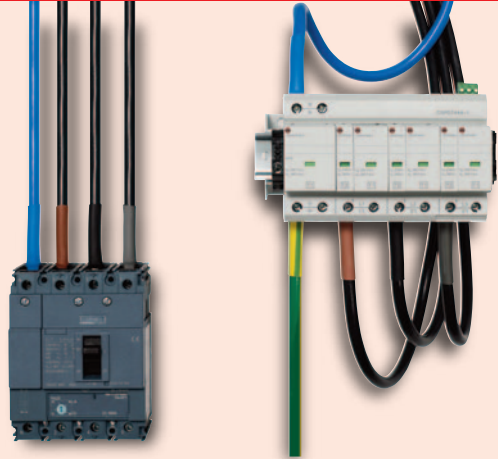
35 - 300mm Box Terminal	NHVA9484-0JA13
Extended Front Terminal inc Phase Barriers	NHVA9484-0QB00
Ext Spreaded Front Terminal inc Phase Barriers	NHVA9484-0QC00
Extended Terminal Shield (1pc)	NHVA9481-0WF40
Extended Spreaded Terminal Shield (1pc)	NHVA9401-0WG40



630A NH VM160 Panelboard Incoming Options



NHVA400IMKSTD



NHVMTPNCLSA

INTEGRAL INCOMING METERING

Incomer Metering

Standard	List No
630A Meter Kit	NHVA630IMKSTD
MID	
630A Meter Kit	NHVA630IMKMID

- 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

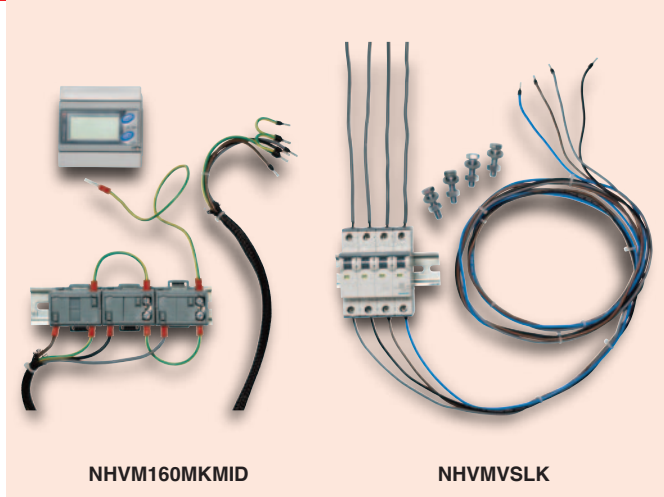
Incoming Surge Protection

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

- 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	NHVM160MKSTD
250A 3ph Meter Kit	NHVM250MKSTD

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

	List No
160A 3ph current transformer	NHVM160MKCT
250A 3ph current transformer	NHVM250MKCT

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	NHVM160MKMID
250A 3ph 4w Meter Kit	NHVM250MKMID

- 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

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

- Voltage supply loom kit required for any metering option

OUTGOING EARTH LEAKAGE PROTECTION

Outgoing Earth Leakage kit

Consisting:
 Modular Residual Current Device (MRCD) 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	NHVMEL35
70mm Internal Diameter	NHVMEL70

Earth Leakage Voltage Supply Loom	List No
250A, 400A & 630A Panelboards	NHVMVSLK

- 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	-	-	NHVM1MCW
Size 2	6	12w	6w	6w	NHVM2MCW
Size 3	7	18w	12w	12w	NHVM3MCW
Size 4	9	-	18w	18w	NHVM4MCW

EARTH LEAKAGE CABLEWAYS

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



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	NHVM24CME
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	NHVMSPNDB
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	NHVMTPNDB
Add-on Cable Spreader Box Empty Enclosure Dims: 230mm high x 700mm wide x 198mm deep	NHVM1CSB
Corner Unit	NHVMCU

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



ACCESSORIES

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



NH VM160 Outgoing MCCBs



NHVFPCB1001

25kA I_{cu} @ 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_{cu} @ 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_{cu} @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION

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

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

55kA I_{cu} @ 415V AC ADJUSTABLE THERMAL & FIXED SHORT CIRCUIT PROTECTION

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

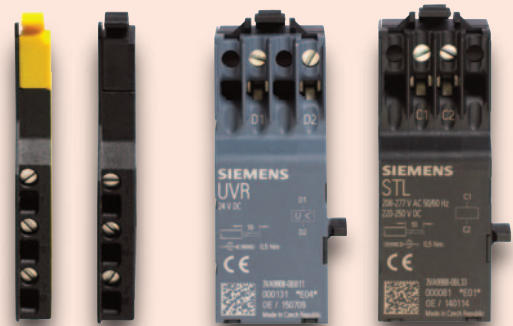
Rated Current	TP
16A	NHVMPCB163
20A	NHVMPCB203
25A	NHVMPCB253
32A	NHVMPCB323
40A	NHVMPCB403
50A	NHVMPCB503
63A	NHVMPCB633
80A	NHVMPCB803
100A	NHVMPCB1003
125A	NHVMPCB1253
160A	NHVMPCB1603



NEUTRAL LINKS

NEUTRAL LINKS

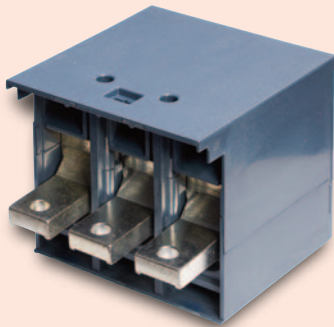
Description	List No
160A Neutral Link Outgoing	NHVMNL11
250A Neutral Link Outgoing	NHVMNL12



MCCB ACCESSORIES

MCCB ACCESSORIES

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



NHVM3TES150



NHVM9111-0WF30

MCCB ACCESSORIES

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

MCCB Extension Bars	
for 160A TP MCCBs	NHVM3160FCB

Auxiliary Cable Clamp Terminals	
160A MCCB box terminals	NHVM160CACT
160A MCCB busbar terminals	NHVM160BACT

SHROUDS

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

- 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	NHGGPCB151
20A MCCB	NHGGPCB201
25A MCCB	NHGGPCB251
30A MCCB	NHGGPCB301
40A MCCB	NHGGPCB401
50A MCCB	NHGGPCB501
60A MCCB	NHGGPCB601
80A MCCB	NHGGPCB801
100A MCCB	NHGGPCB1001
125A MCCB	NHGGPCB1251

OUTGOING TP G FRAME MCCBs

Description

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

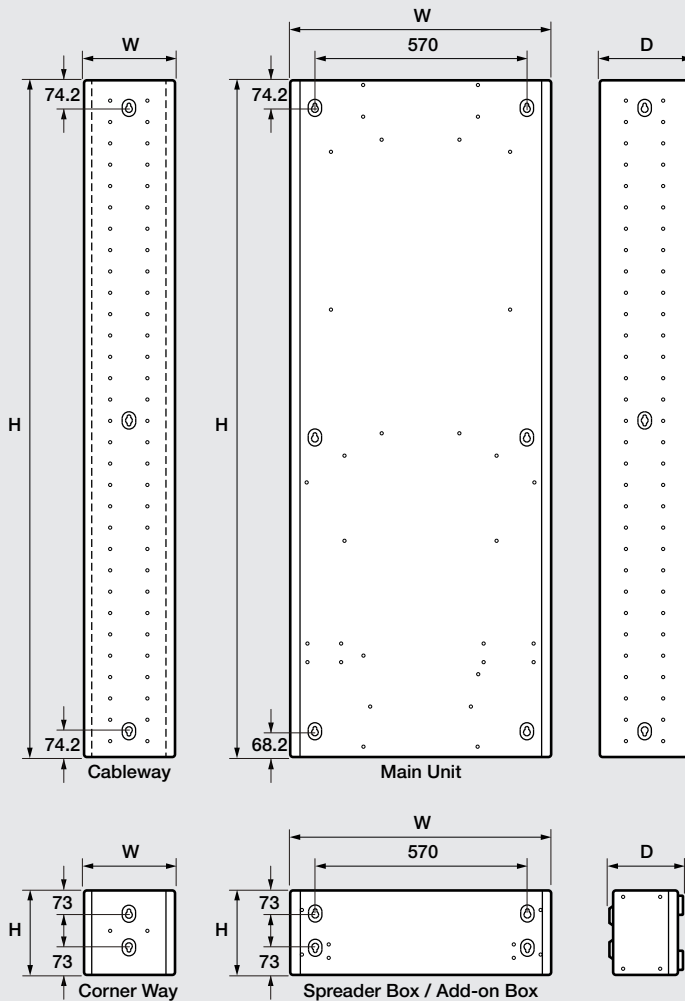


GG Extension Panelboard



PANELBOARD AND CABLEWAY DIMENSIONS

Part No.	Description	Dimensions (mm)			Distance from Gland Plate to Incoming Terminals
		H	W	D	
Panelboards					
	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
Cableways					
	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	
Add-on Units					
	2x200A 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



NH VM160 Panelboards

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 ²	M8	M10	M10	70mm ²	35mm ²	35mm ²
400A Panelboard	50..300mm ²	M10	M10	M10	70mm ²	35mm ²	35mm ²
630A Panelboard	50..300mm ²	M10	M10	M10	70mm ²	35mm ²	35mm ²

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

Earth Leakage Cableways

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

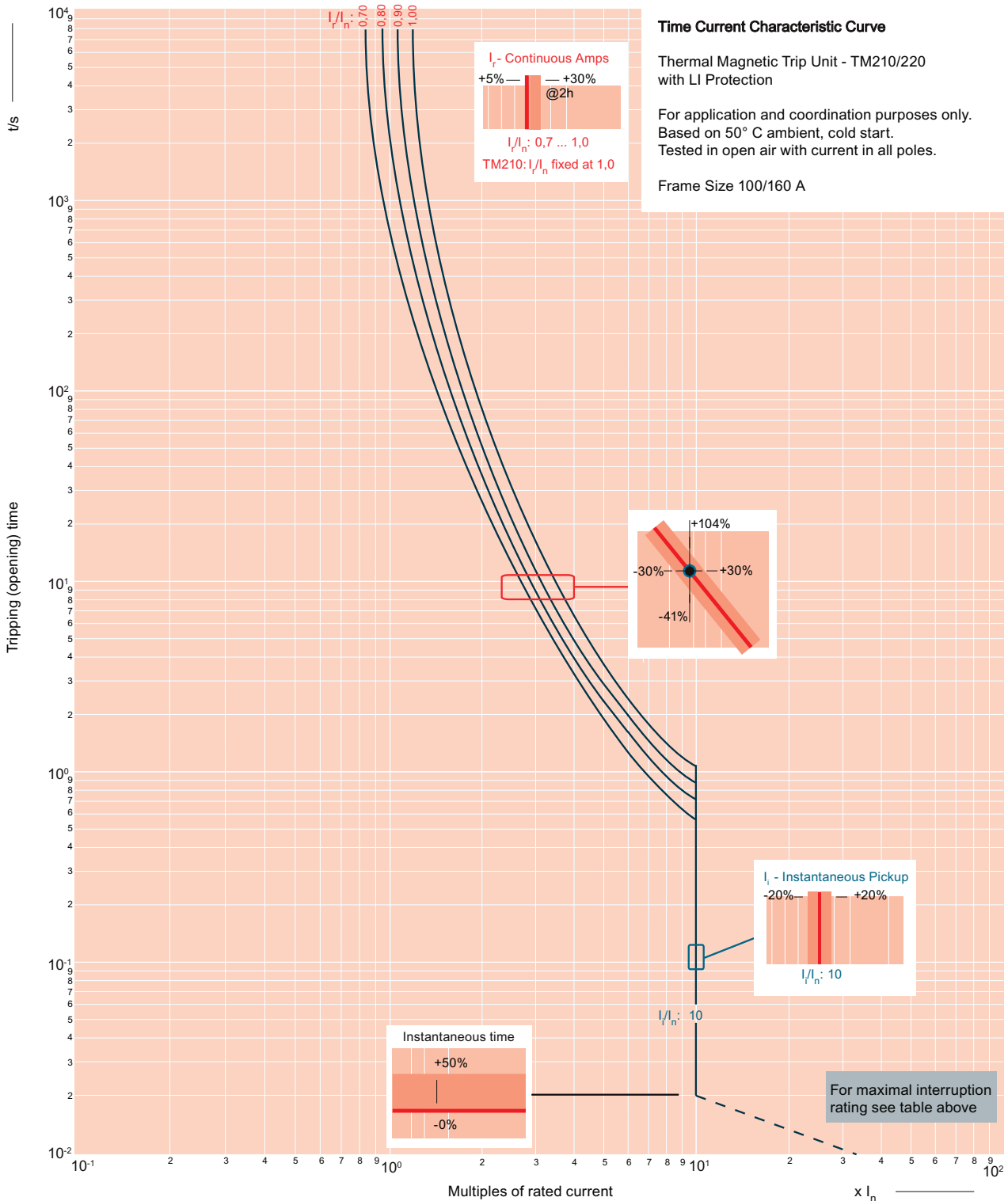
Typ/Model:

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

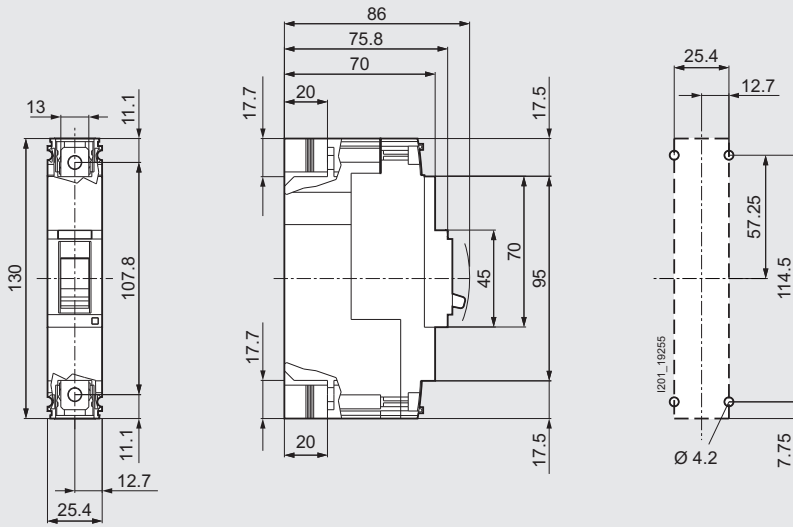
MAX Zs VALUES BASED ON 230V PHASE TO EARTH VOLTAGE FOR MCCBs WITH ADJUSTABLE THERMAL AND FIXED SHORT CIRCUIT PROTECTION

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

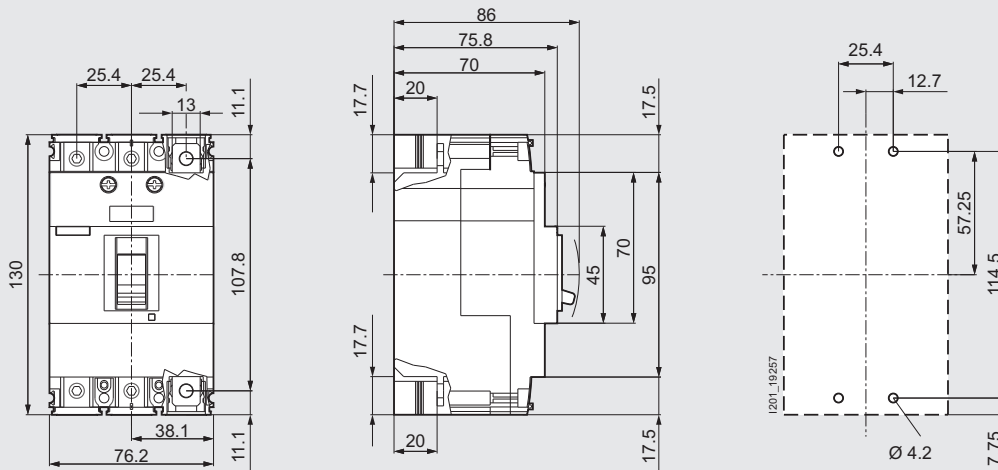


NH VM160 - MCCB Dimensions

100/160 FRAME SINGLE POLE



100/160A FRAME TRIPLE POLE





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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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