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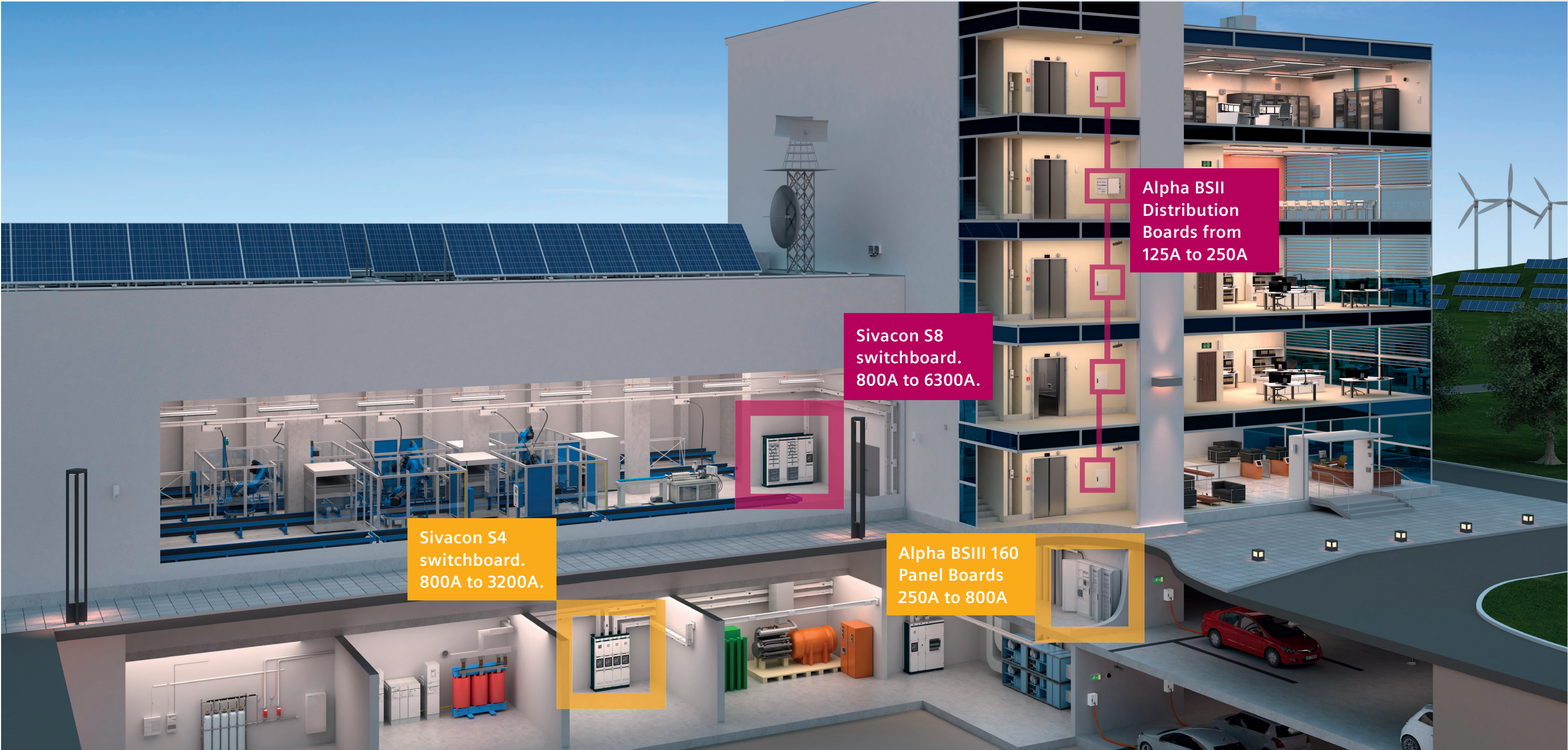
Alpha BSIII 160 MCCB Panel Boards

Low-Voltage Power Distribution

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Safe and Intelligent power distribution

Alpha BSIII 160. Totally Integrated Power Distribution



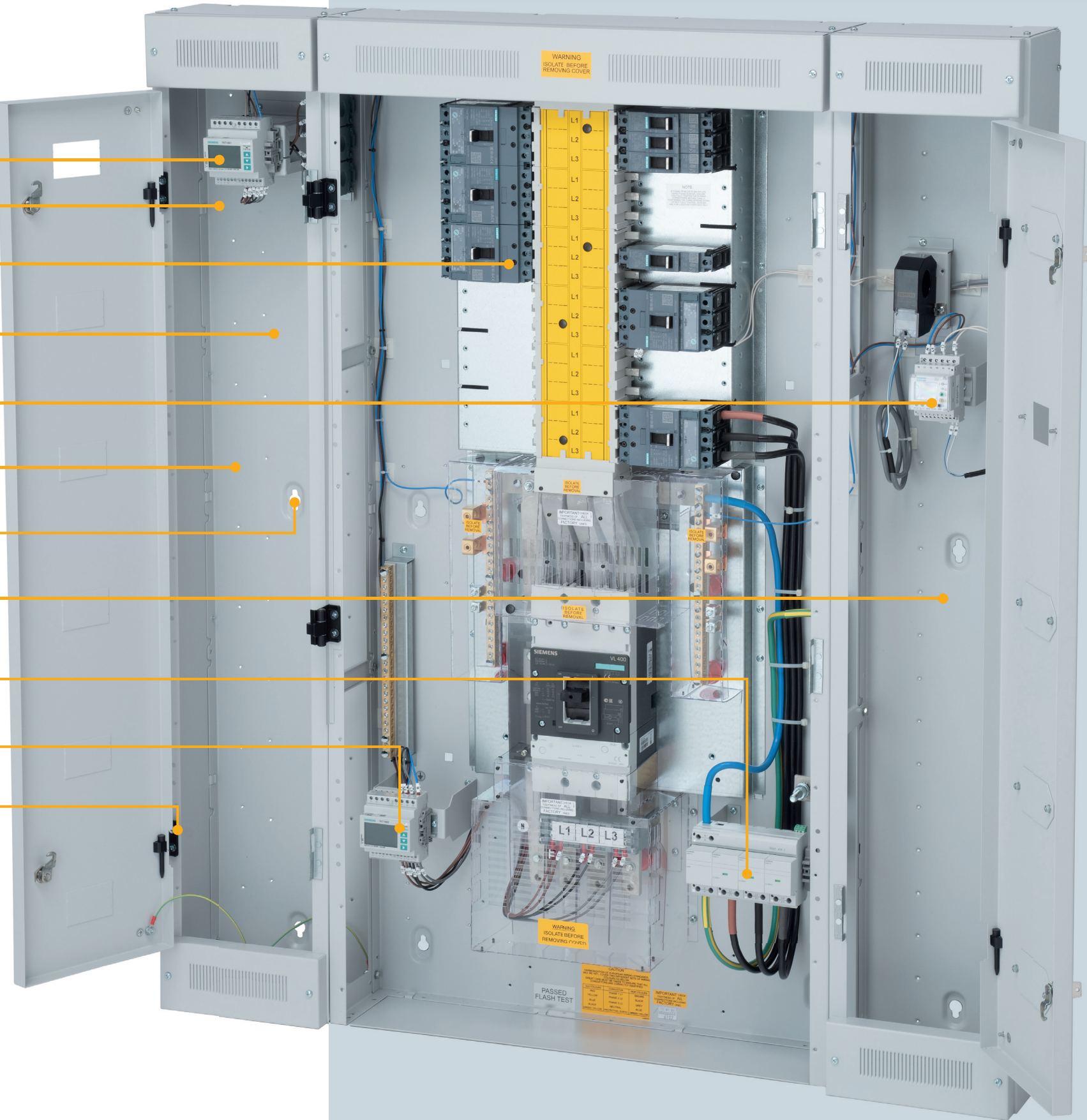
Alpha BSIII, ‘at a glance’

- Fully Type tested to IEC / BS EN 61439-2
- Degree of Protection IP3X
- Manufactured in the UK
- Busbar systems from 250A to 800A
- Compact with a flexible modular design
- I_{cn} from 25kA for 1s up to 65kA for 1s

- Form 3bT2 or 4bT6 GM
- Utilises Siemens 3VA MCCBs
- Quick and easy installation
- Full UK based technical support available
- SP, TP and 4P Devices
- 160A Outgoing Devices as standard.
- 250A Outgoing Device Add-on Options available.

Specification Highlights

- Outgoing meter options. Standard or MID
- Modular construction
- 3VA Moulded Case Circuit Breaker technology
- 1.2mm thick mild steel powder coated construction
- Outgoing Earth Leakage Protection options
- Slim, compact design with ample room for cable dressing
- Keyhole fixings for easy power tool access
- Fully type tested to IEC / BS EN 61439-2
- Integral surge protection kits. Type 1, Type 2 or combined
- Integral Incoming meter options. Standard or MID
- Hinged Cableway doors



Suitable Applications

- Offices
- Tall Buildings
- Hotels and residential
- Campuses
- Industrial
- Process and Production
- Entertainment and Leisure
- Healthcare

Alpha BSIII 160 MCCB Panel Boards



8GP1306-4DA54

250A Panel Board

Outgoing ways	Height	Width	Depth	List No
6 way	902mm	700mm	198mm	8GP1306-4DA54
12 way	1132mm	700mm	198mm	8GP1312-4DA54
18 way	1361mm	700mm	198mm	8GP1318-4DA54

Features

- 250A rated Busbar
- Type tested & ASTA certified to IEC 61439-2; Ed 2 2011-08
- 25kA for 1s Short Circuit Withstand Strength
- Form 3b Type 2 Form of Separation
- IP3X (door closed)



3VL3725-1TA46-0aa0

250A Panel Board Incomers

Description	List No
250A TP Switch Disconnecter	3VL3725-1DE36-0AA0
250A 4P Switch Disconnecter	3VL3725-1EE46-0AA0
250A TP MCCB	3VL3725-1SB36-0AA0
250A 4P MCCB	3VL3725-1TA46-0AA0
250A Direct Connection Coppers	8GP1801-0DA03
Incoming Device Interconnections TP*	8GP1801-0DA01
Incoming Device Interconnections 4P*	8GP1801-0DA02

* Inter connections are necessary when selecting a Switch Disconnecter or MCCB incoming device.

MCCBs:

- Electronic Trip Unit LI for System Protection
- Options adjustable on the Overload from 40% to 100% rated value
- Options adjustable on the Short Circuit from 1.5x to 10x rated value

Switch Disconnectors:

- Fixed Short Circuit Release
- Max cable lug connection/busbar 24mm wide



3VL9300-4ED30

Incomer Terminal Extensions

TP Incomers	List No
Front connecting bars (for increased pole spacing,max 24mmx7mmbar)	3VL9300-4ED30
Box Terminals	25...185mm ² 3VL9300-4CT30
Circular Conductor Terminals	25...185mm ² 3VL9300-4DT30
Screw Connection Terminal	M8 3VL9300-4AT31

4P Incomers	List No
Front connecting bars (for increased pole spacing,max 24mmx7mmbar)	3VL9300-4ED40
Box Terminals	25...185mm ² 3VL9300-4TC40
Circular Conductor Terminals	25...185mm ² 3VL9300-4TD40
Screw Connection Terminal	M8 3VL9300-4TA40

If front connecting bars are selected, we recommend the use of cable spreader box. See Page 16

Alpha BSIII 160 MCCB Panel Boards



8GP1312-5DA54

400A Panel Board

Outgoing ways	Height	Width	Depth	List No
6 way	1132mm	700mm	198mm	8GP1306-5DA54
12 way	1361mm	700mm	198mm	8GP1312-5DA54
18 way	1591mm	700mm	198mm	8GP1318-5DA54

Features

- 400A rated Busbar
- Type tested & ASTA certified to IEC 61439-2; Ed 2 2011-08
- 35kA for 1s Short Circuit Withstand Strength
- Form 3b Type 2 Form of Separation
- IP3X (door closed)



3VL4740-1DE36-0AA0

400A Panel Board Incomers

Description	List No
400A TP Switch Disconnecter	3VL4740-1DE36-0AA0
400A 4P Switch Disconnecter	3VL4740-1EE46-0AA0
400A TP MCCB	3VL4740-1SB36-0AA0
400A 4P MCCB	3VL4740-1TA46-0AA0
4000A Direct Connection Coppers	8GP1801-0DA06
Incoming Device Interconnections TP*	8GP1801-0DA04
Incoming Device Interconnections 4P*	8GP1801-0DA05

* Inter connections are necessary when selecting a Switch Disconnecter or MCCB incoming device.

MCCBs:

- Electronic Trip Unit LI for System Protection
- Options adjustable on the Overload from 40% to 100% rated value
- Options adjustable on the Short Circuit from 1.5x to 10x rated value

Switch Disconnectors:

- Fixed Short Circuit Release
- Max cable lug connection/busbar 24mm wide



3VL9300-4ED30

Incomer Terminal Extensions

TP Incomers	List No
Front connecting bars (for increased pole spacing,max 32mmx10mmbar)	3VL9300-4ED30
Box Terminals	50...300mm ² 3VL9400-4TC30
Circular Conductor Terminals	50...300mm ² 3VL9400-4TD30
Multiple feed-in Terminal	2x70...300mm ² 3VL9400-4TF30
Screw Connection Terminal	M8 3VL9400-4TA30

4P Incomers	List No
Front connecting bars (for increased pole spacing,max 32mmx10mmbar)	3VL9400-4ED40
Box Terminals	50...300mm ² 3VL9400-4TC40
Circular Conductor Terminals	50...300mm ² 3VL9400-4TD40
Multiple feed-in Terminal	2x70...300mm ² 3VL9400-4TA40
Screw Connection Terminal	M8 3VL9400-4TA40

If front connecting bars are selected, we recommend the use of cable spreader box. See Page 16

Alpha BSIII 160 MCCB Panel Boards



8GP1801-0DA11

800A Panel Board

Outgoing ways	Height	Width	Depth	List No
4 way	1361mm	700mm	198mm	8GP1801-0DA11
8 way	1591mm	700mm	198mm	8GP1801-0DA12
12 way	1820mm	700mm	198mm	8GP1801-0DA13

Features

- 800A rated Busbar
- Type tested & ASTA certified to IEC 61439-2; Ed 2 2011-08
- 65kA for 1s Short Circuit Withstand Strength
- Form 4b Type 6 Form of Separation
- IP3X (door closed)



3VL6780-1SB36-0AA0

800A Panel Board Incomers

Description	List No
800A TP Switch Disconnecter	3VL6780-1DE36-0AA0
800A 4P Switch Disconnecter	3VL6780-1EE46-0AA0
800A TP MCCB	3VL6780-1SB36-0AA0
800A 4P MCCB	3VL6780-1TA46-0AA0
800A Direct Connection Coppers	8GP1801-0DA17
Incoming Device Interconnections TP*	8GP1801-0DA18
Incoming Device Interconnections 4P*	8GP1801-0DA16

* Inter connections are necessary when selecting a Switch Disconnecter or MCCB incoming device.

MCCBs:

- Electronic Trip Unit LI for System Protection
- Options adjustable on the Overload from 40% to 100% rated value
- Options adjustable on the Short Circuit from 1.5x to 10x rated value

Switch Disconnectors:

- Fixed Short Circuit Release
- Max cable lug connection/busbar 2 x 40mm wide



3VL9600-4ED30

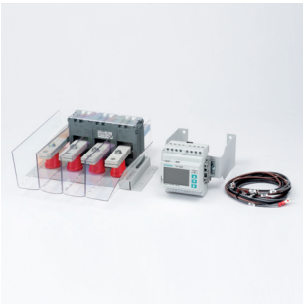
Incomer Terminal Extensions

TP Incomers	List No
Front connecting bars (for increased pole spacing, max 2x40mmx10mm bar)	3VL9600-4ED30
Multiple feed-in Terminal 3x50...240mm ²	3VL9600-4ED40
Screw Connection Terminals M8	3VL9600-4TA30

4P Incomers	List No
Front connecting bars (for increased pole spacing, max 2x40mmx10mm bar)	3VL9600-4ED40
Multiple feed-in Terminal 3x50...240mm ²	3VL9600-4TG40
Screw Connection Terminals M8	3VL9600-4TA40

If front connecting bars are selected, we recommend the use of cable spreader box. See Page 16

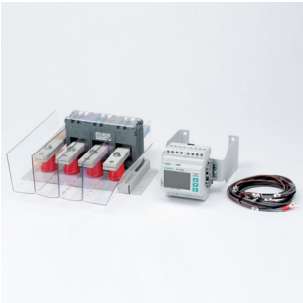
Integral Incoming Metering



250A Panel Board Metering

Standard	List No
250A Meter Kit	8GP1802-0DA01
MID	
250A Meter Kit	8GP1802-0DA02

- Voltage supply loom kit required for ANY metering option. Please see page 14



400A Panel Board Metering

Standard	List No
400A Meter Kit	8GP1802-0DA15
MID	
400A Meter Kit	8GP1802-0DA18

- Voltage supply loom kit required for ANY metering option. Please see page 14



800A Panel Board Metering

Standard	List No
800A Meter Kit	8GP1802-0DA05
MID	
800A Meter Kit	8GP1802-0DA06

- Contains PAC1600 Meter offering Amps, Volts & kWh readout along with appropriate Current Transformers, Mounting Plates & Cable Looms. The latter supplied loose for connection by Installer
- Only one of the above options is possible per Panel Board
- Voltage supply loom kit required for ANY metering option. Please see page 14

Integral Overvoltage Protection



8GP1802-0DA08

250A & 400A Panel Boards

	List No
Lighting Arrester Kit (Type 1)	8GP1802-0DA08
Surge Arrester Kit (Type 2)	8GP1802-0DA07
Combo Lighting & Surge Arrester Kit (Type 1/2)	8GP1802-0DA10

- Each kit contains: Arrester, 3P 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 Panel Board

800A Panel Boards

	List No
Lighting Arrester Kit (Type 1)	8GP1802-0DA28
Surge Arrester Kit (Type 2)	8GP1802-0DA27
Combo Lighting & Surge Arrester Kit (Type 1/2)	8GP1802-0DA30

- Each kit contains: Arrester, 4P 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 Panel Board

Outgoing Metering



8GP1917-0DA01

Standard Metering

Available outputs: Pulse & MODBUS (RTU)		List No
160A 3ph Meter Kit		8GP1917-0DA01
250A 3ph Meter Kit		8GP1802-0DA21

- 250A kit for use with 2W 250A add-on unit only
- Contains PAC1600 Meter offering Amps, Volts & kWh readout along with appropriate Current Transformers, Mounting Plates & Cable Looms. The latter supplied loose for connection by Installer

MID Metering

Available Output: Pulse and Modbus		List No
160A 3ph 4w Meter Kit		8GP1917-0DA02
250A 3ph 4w Meter Kit		8GP1802-0DA22

- 250A kit for use with 2W 250A add-on unit only
- Contains PAC1600 Meter offering Amps, Volts & kWh readout along with appropriate Current Transformers, Mounting Plates & Cable Looms. The latter supplied loose for connection by Installer
- For multiple SP MID meter kits contact our custom built panel team (FBA)



8GP1802-0DA23

Meter Pack Voltage Supply cable Loom

		List No
250A, 400A & 800A Panel Boards		8GP1802-0DA23

- Voltage supply loom kit required for any metering option

Outgoing Earth Leakage Protection



8GP1921-0DA13

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		8GP1921-0DA13
70mm Internal Diameter		8GP1921-0DA14
Holder for DIN rail mounting		Available on request

- Outgoing Earth leakage kits for use with TP or 4P MCCB's only



8GP1802-0DA24

Earth Leakage Voltage Supply Loom

		List No
250A, 400A & 800A Panel Boards		8GP1802-0DA24

- Voltage supply loom required for all earth leakage options

Meter Knock-out Cableways



8GP1921-0DA18

Meter Cableways

Description	Meter Knockouts	250	400	800	List No
Size 1	4	6W	-	-	8GP1921-0DA16
Size 2	6	12W	6W	-	8GP1921-0DA17
Size 3	7	18W	12W	4W	8GP1921-0DA18
Size 4	9	-	18W	8W	8GP1921-0DA20
Size 5	10	-	-	12W	8GP1921-0DA40

- If metered cableway & earth leakage cableway options are required simultaneously, please contact our custom built panel team (FBA). Please see contact details on the back page of this document.



8GP1921-0DA43

Earth Leakage Cableways

Description	Meter Knockouts	250	400	800	List No
Size 1	4	6W	-	-	8GP1921-0DA41
Size 2	6	12W	6W	-	8GP1921-0DA42
Size 3	7	18W	12W	4W	8GP1921-0DA43
Size 4	9	-	18W	8W	8GP1921-0DA44
Size 5	10	-	-	12W	8GP1921-0DA45

- If metered cableway & earth leakage cableway options are required simultaneously, please contact our custom built panel team (FBA). Please see contact details on the back page of this document.

Add-on Options



8GP1921-0DA23

MCCB Housing

Description	List No
Add-on 2 way 250A TP Outgoing MCCB Housing (for use with 400A Panel Boards)	8GP1921-0DA25

- Includes all interconnections
- Accepts 3VA12 range of MCCB's up to 250A
- Busbar 25kA for 1s Short Circuit Withstand Strength
- Includes L/H & R/H cableways to suit 2W add-on unit.
- Dims: 380mm high x 1200mm wide x 198mm deep

MCCB Housing

Description	List No
Add-on 2 way 250A 4P Outgoing MCCB Housing (for use with 800A Panel Boards)	Available on request

- Includes all interconnections
- Accepts 3VA12 range of MCCB's up to 250A
- Busbar 25kA for 1s Short Circuit Withstand Strength

Control Module Enclosure

Description	List No
Add-on Control Module Enclosure	8GP1921-0DA21

- 24 module (each 18mm wide), DIN rail
- Dims: 230mm high x 700mm x 198mm deep

Distribution Board

Description	List No
Add-on 100A SPN Distribution Board-20 way SPN	8GP1921-0DA22

- Supplied with 100A DP Switch Disconnecter and comb busbar
- Accepts Siemens MCBs up to 63A.
- Dims: 230mm high x 700mm wide x 198mm deep

Add-on Options



8GP1921-0DA23

Distribution Board

Description	List No
Add-on 80A TPN Distribution Board - 6 way TPN	8GP1921-0DA23

- Supplied with 80A TPN Switch Disconnecter and comb busbar
- Accepts Siemens MCBs up to 63A.
- Dims: 230mm high x 700mm wide x 198mm deep

Cable Spreader Box

Description	List No
Add-on Cable Spreader Box	8GP1921-0DA24

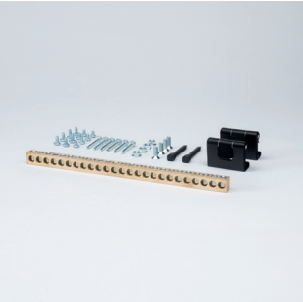
- Empty Enclosure
- Dims: 230mm high x 700mm wide x 198mm deep

Corner Unit

Description	List No
Corner Unit	8GP1921-0DA15

- Two corner units needed per add on option - Excludes 2 Way add on options
- Dims: 230mm high x 249mm wide x 198mm deep

Accessories



8GP1921-0DA56

Spares or Replacement parts:

	List No
Replacement Gland Plates - Panel Board	8GP1921-0DA27
Replacement Gland Plates - Cableway	8GP1921-0DA28
Door Hinge (set of 2)	8GP1921-0DA53
Door Lock Latch	8GP1921-0DA55
Lock & Key	8GP1921-0DA54
Oversized Cable Clamps for Terminal Bar (35mm²,) pk of 3	8GP1921-0DA50
Oversized Cable Clamps for Terminal Bar (70mm²,) pk of 3	8GP1921-0DA51
Incoming Earth Connection	8GP1921-0DA52
Replacement Fixing Kit	8GP1921-0DA56
Terminal Bar (11 Connections)	8GP1921-0DA57
Terminal Bar (21 Connections)	8GP1921-0DA58
Terminal Bar (31 Connections)	8GP1921-0DA67

Way Labels	List No
6-Way	8GP1921-0DA60
12-Way	8GP1921-0DA61
18-Way	8GP1921-0DA62
4-Way(4P)	8GP1921-0DA63
8-Way(4P)	8GP1921-0DA64
12-Way(4P)	8GP1921-0DA65

Panel Board Accessories

	List No
Aluminium Gland Plate, 3mm - Panel Board	8GP1921-0DA30
Aluminium Gland Plate, 3mm - Cableway	8GP1921-0DA31
Brass Gland Plate, 3mm- Panel Board	8GP1921-0DA32
Brass Gland Plate, 3mm- Cableway	8GP1921-0DA33

Fixed Thermal & Fixed Magnetic Protection (FTFM)



Breaking Capacity @ 240Vac

Rated Current SP	25kA	36kA	55kA	70kA
16A	3VA1196-3ED16-0AA0	3VA1196-4ED16-0AA0	3VA1196-5ED16-0AA0	-
20A	3VA1120-3ED16-0AA0	3VA1120-4ED16-0AA0	3VA1120-5ED16-0AA0	-
25A	3VA1125-3ED16-0AA0	3VA1125-4ED16-0AA0	3VA1125-5ED16-0AA0	-
32A	3VA1132-3ED16-0AA0	3VA1132-4ED16-0AA0	3VA1132-5ED16-0AA0	-
40A	3VA1140-3ED16-0AA0	3VA1140-4ED16-0AA0	3VA1140-5ED16-0AA0	-
50A	3VA1150-3ED16-0AA0	3VA1150-4ED16-0AA0	3VA1150-5ED16-0AA0	-
63A	3VA1163-3ED16-0AA0	3VA1163-4ED16-0AA0	3VA1163-5ED16-0AA0	-
80A	3VA1180-3ED16-0AA0	3VA1180-4ED16-0AA0	3VA1180-5ED16-0AA0	-
100A	3VA1110-3ED16-0AA0	3VA1110-4ED16-0AA0	3VA1110-5ED16-0AA0	-
125A	3VA1112-3ED16-0AA0	3VA1112-4ED16-0AA0	3VA1112-5ED16-0AA0	-
160A	3VA1116-3ED16-0AA0	3VA1116-4ED16-0AA0	3VA1116-5ED16-0AA0	-



Breaking Capacity @ 415Vac

Rated Current TP	25kA	36kA	55kA	70kA
16A	3VA1196-3ED36-0AA0	3VA1196-4ED36-0AA0	3VA1196-5ED36-0AA0	3VA1196-6ED36-0AA0
20A	3VA1120-3ED36-0AA0	3VA1120-4ED36-0AA0	3VA1120-5ED36-0AA0	3VA1120-6ED36-0AA0
25A	3VA1125-3ED36-0AA0	3VA1125-4ED36-0AA0	3VA1125-5ED36-0AA0	3VA1125-6ED36-0AA0
32A	3VA1132-3ED36-0AA0	3VA1132-4ED36-0AA0	3VA1132-5ED36-0AA0	3VA1132-6ED36-0AA0
40A	3VA1140-3ED36-0AA0	3VA1140-4ED36-0AA0	3VA1140-5ED36-0AA0	3VA1140-6ED36-0AA0
50A	3VA1150-3ED36-0AA0	3VA1150-4ED36-0AA0	3VA1150-5ED36-0AA0	3VA1150-6ED36-0AA0
63A	3VA1163-3ED36-0AA0	3VA1163-4ED36-0AA0	3VA1163-5ED36-0AA0	3VA1163-6ED36-0AA0
80A	3VA1180-3ED36-0AA0	3VA1180-4ED36-0AA0	3VA1180-5ED36-0AA0	3VA1180-6ED36-0AA0
100A	3VA1110-3ED36-0AA0	3VA1110-4ED36-0AA0	3VA1110-5ED36-0AA0	3VA1110-6ED36-0AA0
125A	3VA1112-3ED36-0AA0	3VA1112-4ED36-0AA0	3VA1112-5ED36-0AA0	3VA1112-6ED36-0AA0
160A	3VA1116-3ED36-0AA0	3VA1116-4ED36-0AA0	3VA1116-5ED36-0AA0	3VA1116-6ED36-0AA0

- If selecting SP or 3P devices for use in the 4P Panel Board (800A), please ensure a Neutral Link is selected to allow termination of the Neutral Connection. Please see page 24



Breaking Capacity @ 415Vac

Rated Current 4P	25kA	36kA	55kA	70kA
16A	3VA1196-3GD46-0AA0	3VA1196-4GD46-0AA0	3VA1196-5GD46-0AA0	3VA1196-6GD46-0AA0
20A	3VA1120-3GD46-0AA0	3VA1120-4GD46-0AA0	3VA1120-5GD46-0AA0	3VA1120-6GD46-0AA0
25A	3VA1125-3GD46-0AA0	3VA1125-4GD46-0AA0	3VA1125-5GD46-0AA0	3VA1125-6GD46-0AA0
32A	3VA1132-3GD46-0AA0	3VA1132-4GD46-0AA0	3VA1132-5GD46-0AA0	3VA1132-6GD46-0AA0
40A	3VA1140-3GD46-0AA0	3VA1140-4GD46-0AA0	3VA1140-5GD46-0AA0	3VA1140-6GD46-0AA0
50A	3VA1150-3GD46-0AA0	3VA1150-4GD46-0AA0	3VA1150-5GD46-0AA0	3VA1150-6GD46-0AA0
63A	3VA1163-3GD46-0AA0	3VA1163-4GD46-0AA0	3VA1163-5GD46-0AA0	3VA1163-6GD46-0AA0
80A	3VA1180-3GD46-0AA0	3VA1180-4GD46-0AA0	3VA1180-5GD46-0AA0	3VA1180-6GD46-0AA0
100A	3VA1110-3GD46-0AA0	3VA1110-4GD46-0AA0	3VA1110-5GD46-0AA0	3VA1110-6GD46-0AA0
125A	3VA1112-3GD46-0AA0	3VA1112-4GD46-0AA0	3VA1112-5GD46-0AA0	3VA1112-6GD46-0AA0
160A	3VA1116-3GD46-0AA0	3VA1116-4GD46-0AA0	3VA1116-5GD46-0AA0	3VA1116-6GD46-0AA0

Adjustable Thermal & Fixed Magnetic Protection (ATFM)



Thermal adjustment = 70% ... 100% of In Breaking Capacity @ 415Vac				
Rated Current TP	25kA	36kA	55kA	70kA
16A	3VA1196-3EE36-0AA0	3VA1196-4EE36-0AA0	3VA1196-5EE36-0AA0	3VA1196-6EE36-0AA0
20A	3VA1120-3EE36-0AA0	3VA1120-4EE36-0AA0	3VA1120-5EE36-0AA0	3VA1120-6EE36-0AA0
25A	3VA1125-3EE36-0AA0	3VA1125-4EE36-0AA0	3VA1125-5EE36-0AA0	3VA1125-6EE36-0AA0
32A	3VA1132-3EE36-0AA0	3VA1132-4EE36-0AA0	3VA1132-5EE36-0AA0	3VA1132-6EE36-0AA0
40A	3VA1140-3EE36-0AA0	3VA1140-4EE36-0AA0	3VA1140-5EE36-0AA0	3VA1140-6EE36-0AA0
50A	3VA1150-3EE36-0AA0	3VA1150-4EE36-0AA0	3VA1150-5EE36-0AA0	3VA1150-6EE36-0AA0
63A	3VA1163-3EE36-0AA0	3VA1163-4EE36-0AA0	3VA1163-5EE36-0AA0	3VA1163-6EE36-0AA0
80A	3VA1180-3EE36-0AA0	3VA1180-4EE36-0AA0	3VA1180-5EE36-0AA0	3VA1180-6EE36-0AA0
100A	3VA1110-3EE36-0AA0	3VA1110-4EE36-0AA0	3VA1110-5EE36-0AA0	3VA1110-6EE36-0AA0
125A	3VA1112-3EE36-0AA0	3VA1112-4EE36-0AA0	3VA1112-5EE36-0AA0	3VA1112-6EE36-0AA0
160A	3VA1116-3EE36-0AA0	3VA1116-4EE36-0AA0	3VA1116-5EE36-0AA0	3VA1116-6EE36-0AA0



Thermal adjustment = 70% ... 100% of In Breaking Capacity @ 415Vac				
Rated Current 4P	25kA	36kA	55kA	70kA
16A	3VA1196-3GE46-0AA0	3VA1196-4GE46-0AA0	3VA1196-5GE46-0AA0	3VA1196-6GE46-0AA0
20A	3VA1120-3GE46-0AA0	3VA1120-4GE46-0AA0	3VA1120-5GE46-0AA0	3VA1120-6GE46-0AA0
25A	3VA1125-3GE46-0AA0	3VA1125-4GE46-0AA0	3VA1125-5GE46-0AA0	3VA1125-6GE46-0AA0
32A	3VA1132-3GE46-0AA0	3VA1132-4GE46-0AA0	3VA1132-5GE46-0AA0	3VA1132-6GE46-0AA0
40A	3VA1140-3GE46-0AA0	3VA1140-4GE46-0AA0	3VA1140-5GE46-0AA0	3VA1140-6GE46-0AA0
50A	3VA1150-3GE46-0AA0	3VA1150-4GE46-0AA0	3VA1150-5GE46-0AA0	3VA1150-6GE46-0AA0
63A	3VA1163-3GE46-0AA0	3VA1163-4GE46-0AA0	3VA1163-5GE46-0AA0	3VA1163-6GE46-0AA0
80A	3VA1180-3GE46-0AA0	3VA1180-4GE46-0AA0	3VA1180-5GE46-0AA0	3VA1180-6GE46-0AA0
100A	3VA1110-3GE46-0AA0	3VA1110-4GE46-0AA0	3VA1110-5GE46-0AA0	3VA1110-6GE46-0AA0
125A	3VA1112-3GE46-0AA0	3VA1112-4GE46-0AA0	3VA1112-5GE46-0AA0	3VA1112-6GE46-0AA0
160A	3VA1116-3GE46-0AA0	3VA1116-4GE46-0AA0	3VA1116-5GE46-0AA0	3VA1116-6GE46-0AA0

Adjustable Thermal & Adjustable Magnetic Protection (ATAM)



Thermal adjustment = 70% ... 100% of In, Magnetic adjustment = 5x ... 10x In Breaking Capacity @ 415Vac				
Rated Current TP	25kA	36kA	55kA	70kA
16A	3VA1196-3EF36-0AA0	3VA1196-4EF36-0AA0	3VA1196-5EF36-0AA0	3VA1196-6EF36-0AA0
20A	3VA1120-3EF36-0AA0	3VA1120-4EF36-0AA0	3VA1120-5EF36-0AA0	3VA1120-6EF36-0AA0
25A	3VA1125-3EF36-0AA0	3VA1125-4EF36-0AA0	3VA1125-5EF36-0AA0	3VA1125-6EF36-0AA0
32A	3VA1132-3EF36-0AA0	3VA1132-4EF36-0AA0	3VA1132-5EF36-0AA0	3VA1132-6EF36-0AA0
40A	3VA1140-3EF36-0AA0	3VA1140-4EF36-0AA0	3VA1140-5EF36-0AA0	3VA1140-6EF36-0AA0
50A	3VA1150-3EF36-0AA0	3VA1150-4EF36-0AA0	3VA1150-5EF36-0AA0	3VA1150-6EF36-0AA0
63A	3VA1163-3EF36-0AA0	3VA1163-4EF36-0AA0	3VA1163-5EF36-0AA0	3VA1163-6EF36-0AA0
80A	3VA1180-3EF36-0AA0	3VA1180-4EF36-0AA0	3VA1180-5EF36-0AA0	3VA1180-6EF36-0AA0
100A	3VA1110-3EF36-0AA0	3VA1110-4EF36-0AA0	3VA1110-5EF36-0AA0	3VA1110-6EF36-0AA0
125A	3VA1112-3EF36-0AA0	3VA1112-4EF36-0AA0	3VA1112-5EF36-0AA0	3VA1112-6EF36-0AA0
160A	3VA1116-3EF36-0AA0	3VA1116-4EF36-0AA0	3VA1116-5EF36-0AA0	3VA1116-6EF36-0AA0
250A*	-	3VA1225-4GF32-0AA0	3VA1225-5GF32-0AA0	3VA1225-6GF32-0AA0



Thermal adjustment = 70% ... 100% of In Breaking Capacity @ 415Vac				
Rated Current 4P	25kA	36kA	55kA	70kA
16A	3VA1196-3GF46-0AA0	3VA1196-4GF46-0AA0	3VA1196-5GF46-0AA0	3VA1196-6GF46-0AA0
20A	3VA1120-3GF46-0AA0	3VA1120-4GF46-0AA0	3VA1120-5GF46-0AA0	3VA1120-6GF46-0AA0
25A	3VA1125-3GF46-0AA0	3VA1125-4GF46-0AA0	3VA1125-5GF46-0AA0	3VA1125-6GF46-0AA0
32A	3VA1132-3GF46-0AA0	3VA1132-4GF46-0AA0	3VA1132-5GF46-0AA0	3VA1132-6GF46-0AA0
40A	3VA1140-3GF46-0AA0	3VA1140-4GF46-0AA0	3VA1140-5GF46-0AA0	3VA1140-6GF46-0AA0
50A	3VA1150-3GF46-0AA0	3VA1150-4GF46-0AA0	3VA1150-5GF46-0AA0	3VA1150-6GF46-0AA0
63A	3VA1163-3GF46-0AA0	3VA1163-4GF46-0AA0	3VA1163-5GF46-0AA0	3VA1163-6GF46-0AA0
80A	3VA1180-3GF46-0AA0	3VA1180-4GF46-0AA0	3VA1180-5GF46-0AA0	3VA1180-6GF46-0AA0
100A	3VA1110-3GF46-0AA0	3VA1110-4GF46-0AA0	3VA1110-5GF46-0AA0	3VA1110-6GF46-0AA0
125A	3VA1112-3GF46-0AA0	3VA1112-4GF46-0AA0	3VA1112-5GF46-0AA0	3VA1112-6GF46-0AA0
160A	3VA1116-3GF46-0AA0	3VA1116-4GF46-0AA0	3VA1116-5GF46-0AA0	3VA1116-6GF46-0AA0
250A*	-	3VA1225-4GF42-0AA0	3VA1225-5GF42-0AA0	3VA1225-6GF42-0AA0

* 250A circuit breakers require additional box terminal kit to be ordered
* 250A circuit breakers only for use with 250A 2Way Add-on unit

MCCB Accessories

For the full range of available accessories see Catalogue LV10

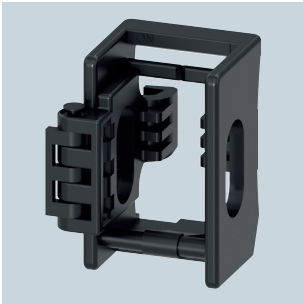


8GP1921-0DA66

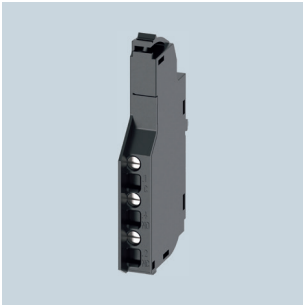
Neutral Links	
List No	
160A Neutral Link Outgoing	8GP1921-0DA66
250A Neutral Link Outgoing	8GP1921-0DA34

Neutral links required for terminating the Neutral connection in 4P Panel Boards & Add-on units

Blanking kits	
List No	
Busbar & Shield blanking kit – SP	8GP1921-0DA10
Busbar & Shield blanking kit – TP	8GP1921-0DA11
Busbar & Shield blanking kit – 4P	8GP1921-0DA12



MCCB Dolly Locking Device	
List No	
	3VA9088-0LB10



Aux Switch - SP C/O	
List No	
	3VA9988-0AA12



Trip Alarm Switch - SP C/O	
List No	
	3VA9988-0AB12



Undervoltage Release	
List No	
110V 50/60Hz	3VA9908-0BB23
208...230V 50/60Hz	3VA9908-0BB25
24VDC	3VA9908-0BB11



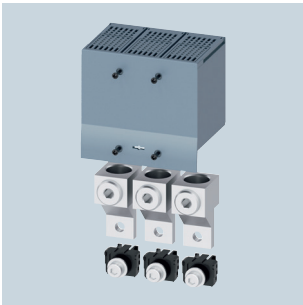
Shunt Trip	
List No	
24VAC / 24...30DC	3VA9988-0BL30
208...277VAC 50/60Hz 220...250VDC	3VA9988-0BL33

MCCB Accessories

For the full range of available accessories see Catalogue LV10



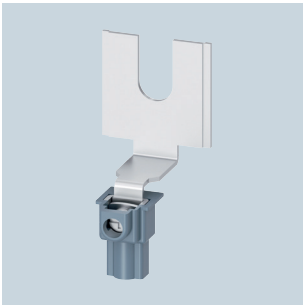
TERMINALS				
Terminal type	No. Pcs	Cable size	To fit frame	List No
BOX Terminal Kit*	3	6...120mm	250A 3VA12	3VA9253-0JA11
BOX Terminal Kit*	4	6...120mm	250A 3VA12	3VA9254-0JA11
BOX Terminal Kit	3	50...185mm	250A 3VA12	3VA9253-0JA12
BOX Terminal Kit	4	50...185mm	250A 3VA12	3VA9254-0JA12
*Required for connecting 250A MCCB to panel board pan				



TERMINALS				
Terminal type	No. Pcs	Cable size	To fit frame	List No
External Cu/Al Cable kit inc extended shroud	3	25...150mm	160A 3VA11	3VA9113-0JJ12
External Cu/Al Cable kit inc extended shroud	4	25...150mm	160A 3VA11	3VA9114-0JJ12
External Cu/Al Cable kit inc extended shroud	3	50...240mm	250A 3VA12	3VA9213-0JJ13
External Cu/Al Cable kit inc extended shroud	4	50...240mm	250A 3VA12	3VA9214-0JJ13



TERMINALS			
Terminal type	No. Pcs	To fit frame	List No
Extended bar connections kit inc phase barriers	3	160A 3VA11	3VA9153-0QB00
Extended bar connections kit inc phase barriers	4	160A 3VA11	3VA9154-0QB00
Extended bar connections kit inc phase barriers	3	250A 3VA12	3VA9253-0QB00
Extended bar connections kit inc phase barriers	4	250A 3VA12	3VA9254-0QB00



Auxiliary Cable Clamps Terminals			
Terminal type	No. Pcs	To fit frame	List No
Box terminals	1	160A 3VA11	3VA9110-0WB00
		250A 3VA12	3VA9200-0WB00
Busbar	1	160A 3VA11	3VA9110-0WC00
		250A 3VA12	3VA9200-0WC00



SHROUDS			
Shroud type	No. Pcs	To fit frame	List No
SP 3VA Short	1	160A 3VA11	3VA9111-0WD10
TP 3VA Short Terminal Shroud	1	160A 3VA11	3VA9111-0WD30
		250A 3VA12	3VA9211-0WD30
4P 3VA Short Terminal Shroud	1	160A 3VA11	3VA9111-0WD40
		250A 3VA12	3VA9211-0WD40
TP 3VA Extended Terminal Shroud	1	160A 3VA11	3VA9111-0WF30
		250A 3VA12	3VA9211-0WF30
4P 3VA Extended Terminal Shroud	1	160A 3VA11	3VA9111-0WF40
		250A 3VA12	3VA9211-0WF40

If using extended shrouds a cableway is required on Alpha BS III 160 Panel Boards.

Terminal shrouds are required on the 800A Panel Board to ensure Form 4b Type 6 GM form of separation.

Technical Data

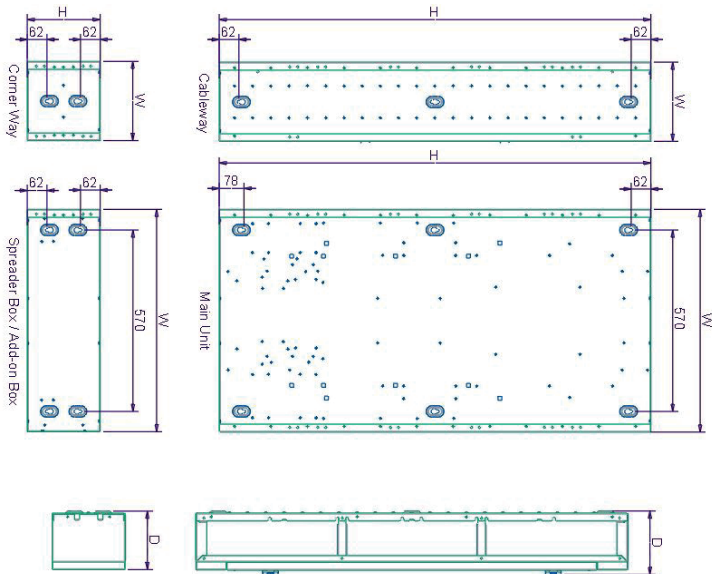
Alpha BSIII 160 Panel Boards

Panel Boards						
Description		Dimensions (mm)			Distance from Gland Plate to Incoming Terminals (mm)	
		(H)	(W)	(D)	Without Meter Kit	With Integral Meter Kit
(Spreading Room)						
250A	6 Way	902	700	198	257	109
	12 Way	1132	700	198	257	109
	18 Way	1361	700	198	257	109
400A	6 Way	1132	700	198	342	204
	12 Way	1361	700	198	342	204
	18 Way	1591	700	198	342	204
800A	4 Way	1361	700	198	278	95
	8 Way	1591	700	198	278	95
	12 Way	1820	700	198	278	95

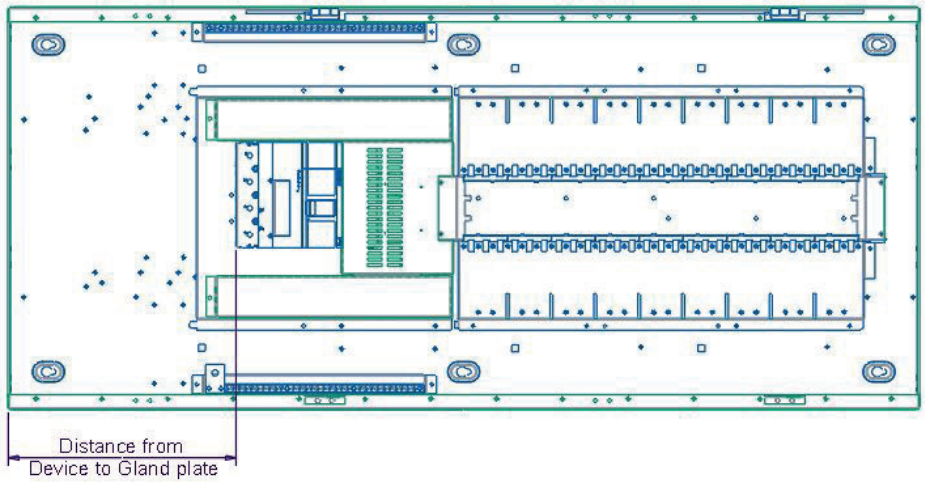
Cableways						
Description		Dimensions (mm)			Distance from Gland Plate to Incoming Terminals (mm)	
		(H)	(W)	(D)	Without Meter Kit	With Integral Meter Kit
(Spreading Room)						
Corner Unit		230	249	198	-	-
Size 1		902	249	198	-	-
Size 2		1132	249	198	-	-
Size 3		1361	249	198	-	-
Size 4		1591	249	198	-	-
Size 5			249	198	-	-

Add-on Units						
Description		Dimensions (mm)			Distance from Gland Plate to Incoming Terminals (mm)	
		(H)	(W)	(D)	Without Meter Kit	With Integral Meter Kit
(Spreading Room)						
2 x 250A TP Outgoer		380	700	198	-	-
2 x 250A 4P Outgoer		TBC	TBC	TBC	-	-
Control Module		230	700	198	-	-
SPN Dist. Board		230	700	198	-	-
TPN Dist. Board		230	700	198	-	-
Spreader Box		230	700	198	-	-

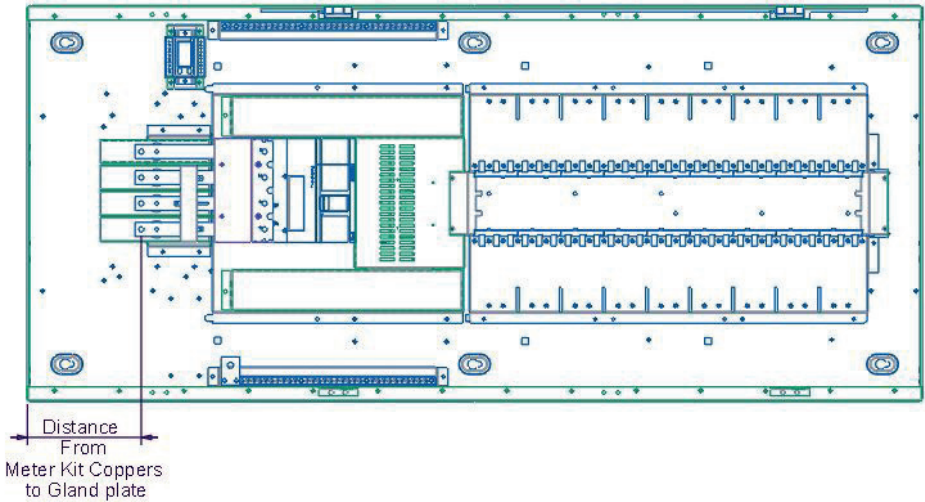
For full Technical Support Information on Devices, please refer to the Siemens Industry Online Support Tool (SIOS) found here: <https://support.industry.siemens.com/cs/start?lc=en-GB>



Panel Board Dimensions



Distance from Gland Plate to Incoming Terminal – Without Meter Kit



Distance from Gland Plate to Incoming Terminal – With Integral Meter Kit

Technical Data

Alpha BSIII 160 Panel Boards

	250A Panel	400A Panel	800A Panel
Compliance with:	IEC / BS EN 61439-2		
Short Circuit Withstand Rating:	25kA for 1s	35kA for 1s	65kA for 1s
Rated Voltage:	230 / 400V 3PH 50Hz		
Mounting:	Wall or Floor		
Incoming Cable Entry:	Bottom		
Access Panels:	All Fascias		
Form of Separation:	3b Type 2	3b Type 2	4b Type 6 GM
Ingress Protection:	IP3X as Standard (Door Closed)		
Finish:	Powder Coated RAL7035 Light Grey		

Cable Capacity & Terminal Connections - Maximum Stranded C _u Cable								
Incoming Options					Outgoing Options (Box Terminals)			
	Sw Disc or MCCB	Direct Con- nect	Neutral	Earth	Up to 160A MCCB	200A & 250A MCCB	Neutral	Earth
250A	25... 185mm²	M8	M10	M10	70mm²	120mm²	35mm²	35mm²
400A	50... 300mm²	M10	M10	M10	70mm²	120mm²	35mm²	35mm²
800A	Lug... 40mm	M12	M10	M10	70mm²	120mm²	35mm²	35mm²

Alpha BSIII 160 is manufactured in the UK

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Although every effort has been made to ensure accuracy in the compilation of this publication, specifications and performance data are constantly changing. Latest details can be obtained by contacting us.

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