



EVOLUTION DISTRIBUTION BOARDS

| TECHNICAL CATALOGUE 2021





ABOUT IPD

IPD have been delivering electrical products to the industry for over 60 years as part of Alsthom GEC and English Electric businesses.

Today, we are a privately owned Australian business who employ over 350 people with offices and staff in every state of the country to support your business. We put our customers, at the core of everything we do. We aim to ensure our business is kept agile and streamlined giving us the ability to make day to day decisions in an efficient and proactive manner. We have built a skilled, experienced and professional team to support our customer's at every level, of every transaction including:

- ▶ Custom engineered assemblies
- ▶ Design assistance
- ▶ Pre and post technical support
- ▶ Drafting services
- ▶ Best-in-class commercial logistics offer

With and all of this being supported by our own services team for Warranty issues, Installation, Testing and Commissioning.

Our comprehensive offer can be broken up into 5 key areas. These being; Power Distribution, Motor Control, Power Monitoring, and with the recent acquisition of Control Logic, Automation, and Cyber security. These offers are sourced from global technology partners that are leaders in their respective fields and you can be confident there is a product solution to support even the most stringent application. Not only for today but for tomorrow, next year and well into the future.

At IPD, we know that our people are our most valuable asset, and we do everything we can to make sure they feel that way. We are an equal opportunity employer of choice and are proud of the fact that we are too big to be small but too small to be big. It really is like a family here. We are really proud of what we have achieved over the last 15 years but we are not resting on our laurels. The appetite is to get better at everything we do and be recognised as the best supplier in the market.

Now that you know our local Australian owned and operated business a little better, we'd like to get to know you and your business a little better.

EXPERIENCE BETTER at IPD

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FEATURES



REMOVABLE
MOUNTING PLATE



PLENTY OF SPACE



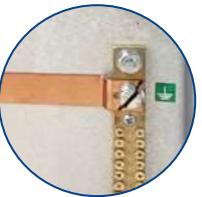
FULLY WELDED
GUTTERS



HINGED ESCUTCHEON



FULL SIZED GLAND PLATES
TOP & BOTTOM



SPLIT EARTH
AND
NEUTRAL BARS

FEATURES



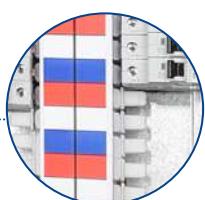
WIDE CHOICE OF
LOCKING OPTIONS



RCD TEST SWITCHES



PREWIRED CIRCUITS FOR EXTERNAL
AND EMERGENCY LIGHTING CONTROL



SPLIT CHASSIS FOR SEPARATE LIGHT
AND POWER METERING



Emergency Lighting



Surge Protection



External Lighting



Metering

HOW TO CHOOSE A SOLUTION THAT IS RIGHT FOR YOU

I WHERE WILL IT BE INSTALLED?

The installation position of a distribution board will determine what level of dust and waterproofing is required, as well as what material it is made from and if any mounting accessories are required.

Application	Recommended Solution
In an electrical cupboard or switchroom	Evolution E43
Inside, on a wall	Evolution E43; may require optional lock accessory
Inside, in a dirty or wet environment like a factory	Evolution E65
Outside, undercover out of the weather	Evolution E65; may require optional rain hood
Outside, with no protection from the weather	Evolution E65 with rain hood or Evolution E66
In a corrosive environment like a chemical factory or near the ocean in a salty atmosphere	Evolution E66 Stainless Steel
Where washdown is required like a food processing plant	Evolution E66 Stainless Steel

I HOW MANY CIRCUITS ARE THERE?

The number of outgoing circuits determine the number of poles. Standard or RCD protected single phase circuits will need 1 pole each. Three phase circuits will need 3 poles each for standard circuits or 5 - 6 poles each for RCD protected circuits. Add up the number of required poles, including spare poles for future expansion and round up to the nearest whole dozen to determine the size of the board. All Evolution ranges are available in sizes from 12 - 96 poles.

I IS A MAIN SWITCH REQUIRED?

How would the board be isolated if an electrical contractor needed to modify it, such as adding a circuit? If the board can be isolated at a nearby location like a main board, then a main switch may not be required. Whether a main switch is required may also be determined by the state or supply authority wiring rules. All Evolution ranges are available as standard with no main switch, a 250A switch disconnector, or a moulded case circuit breaker. Other options are available.

I WHAT COLOUR?

The Evolution Range is available in the following colours:

- RAL7035 Grey or RAL2000 Orange for Evolution E43 and Evolution E65.
- Unpainted for Evolution E66 Stainless Steel.

All ranges can be optionally resprayed into any colour. Specify the RAL colour required at the time of ordering.

HOW TO CHOOSE A SOLUTION THAT IS RIGHT FOR YOU

SELECTION DATA

	Evolution E43	Evolution E65	Evolution E66
MECHANICAL CHARACTERISTICS			
IP Rating	IP43	IP65	IP66
Height	400 - 1400mm	400 - 1200mm	400 - 1200mm
Width	600mm	600mm	600mm
Depth	200mm	200mm	200mm
Material	1.0 & 1.2mm Mild Steel	1.6mm Mild Steel	1.6mm 316 Stainless Steel
Colour	RAL7035 Grey or RAL2000 Orange	RAL7035 Grey or RAL2000 Orange	Unpainted
Optional Colours	O Specify RAL	O Specify RAL	O Specify RAL
Hinged Escutcheon	✓	✓	✓
Reversible Escutcheon LHS to RHS	✓	✓	✓
Reversible Door LHS to RHS	✓	✓	✓
Full Size Gland Plate Top and Bottom	✓	✓	-
Flush Surround Option	O	O	-
Rain Hood Option	O	O	O
Brass or Aluminium Gland Plates	O	O	O Factory Fitted
Floor Mounting Plinth	O	O	O Factory Fitted
ELECTRICAL CHARACTERISTICS			
Poles	12 - 96	12 - 84	Poles
Load Break Main Switch Rating	250A	250A	Load Break Main Switch Rating
80 - 250A MCCB Main Switch	✓	✓	80 - 250A MCCB Main Switch
400A MCCB Main Switch	✓	✓	400A MCCB Main Switch
Standard Chassis Current Rating	250A/400A	250A	Standard Chassis Current Rating
Optional Current Rating	400A	400A	Optional Current Rating
Standard Chassis Withstand Rating	25kA / 0.1s or 10kA / 1s	25kA / 0.1s or 10kA / 1s	25kA / 0.1s or 10kA / 1s
Split Chassis Option	O	O	O
Dual Odds & Evens Neutral Bars	✓	✓	✓
Earth and Neutral Bars Dimensions	10 x 20mm	10 x 20mm	10 x 20mm
Earth and Neutral Bars Rating	330A	330A	330A
Earth and Neutral Bars Terminals	6mm (16mm ² conductor), double screw	6mm (16mm ² conductor), double screw	6mm (16mm ² conductor), double screw
LOCKING AND SEALING			
Three Locking Positions	✓	✓	✓
Three Point Locking Rods	O	O	-
Machine Injected Polyurethane Seal	✓	✓	✓
Seal tested as Smoke Seal	✓	✓	✓

NOTE : O = Option

ALL ABOUT AS/NZS 61439



I BACKGROUND

AS/NZS 61439 is a new series of standards made up of 8 parts covering Low-voltage Switchgear & Controlgear assemblies. This standard was released in 2016 and as of May 2021, it has now superseded the AS/NZS 3439 set of standards that have been in place since 2002.

The new standard is an adoption of the IEC 61439 with changes and modifications to suit our specific requirement for Australia and New Zealand.

The IEC 61439 was first introduced in Europe and some other parts of the world in 2009 and came fully into force in 2014.

The 8 parts for AS/NZS 61439 are:

- | | |
|---------------|---|
| Part 0 | Guide to specifying assemblies |
| Part 1 | General rules |
| Part 2 | Power switchgear and controlgear assemblies |
| Part 3 | Distribution boards intended to be operated by ordinary persons (DBO) |
| Part 4 | Particular requirements for assemblies for construction sites (ACS) |
| Part 5 | Assemblies for power distribution in public networks |
| Part 6 | Busbar trunking systems (busways) |
| Part 7 | Assemblies for specific applications such as marinas, camping site, market squares, electric vehicles charging stations |

I WHAT ARE THE MAIN REASONS FOR THE CHANGE FROM AS/NZS 3439 TO AS/NZS 61439?



1. The requirements for proving the design of a Partially Typed Tested Assembly (PTTA) are very subjective with no clear guidelines. The standard relies on the knowledge & integrity of the assembler.
2. While manufacturers had to assign a rating to each circuit they are not required by the standard to prove its rating. In the new standard the rating of a circuit in an installed assembly needs to be verified and proven.
3. With the limitless permutations & combinations that are possible with assemblies it is impractical to fully test each and every variant design.
4. Lack of tests to prove the constructional compliance.
5. The “manufacturer” of the switchboard is not clearly defined.

ALL ABOUT AS/NZS 61439

MAIN CHANGES IN THE NEW AS/NZS 61439 STANDARDS



1. The concept of Type Tested Assemblies (TTA) and Partially Type Tested Assemblies (PTTA) has been replaced with Design Verification Tests.
2. Seven type tests listed in Table 7 of the superseeded standard have been replaced by 13 design verification tests that cover constructional and performance requirements. The 13 Design Verification tests provide three options with limits and conditions.
3. Responsibilities between the Original Manufacturer (the organisation that is responsible for the original design and carried out the design verification as per the standards) and the Assembly Manufacturer (i.e. the switchboard builder or contractor) have been clearly defined.
4. New tests to cover Constructional Requirements have been added:
 - Resistance to corrosion tests
 - Resistance to abnormal heat and fire due to internal electric effects
 - Lifting tests
 - Marking tests
5. Conditions & limits imposed on device substitution.
6. Power frequency withstand voltage tests and impulse withstand voltage tests are mandatory requirements.
7. Verification of the Forms of Internal Separation is a mandatory requirement.
8. AS/NZS 61439.3 is specific for distribution boards that are intended to be operated by ordinary persons (DBOs). They must not exceed a current rating of 250A or have any outgoing circuits exceeding 125A as well as a number of other addition requirements in addition to those detailed in AS/NZS 61439.2.



Evolution DB

KEY POINTS

MANUFACTURER TYPES



Original Manufacturer

Organisation that carried out the original design and associated verification.



Assembly Manufacturer

Organisation responsible for the completed assembly.

NOTE :

Where the Assembly Manufacturer is different to the Original Manufacturer and has done modifications to the original tested arrangement, this person/company is deemed to be the Original Manufacturer and has to carry out or prove design verification.

VERIFICATION



DESIGN VERIFICATION (Clause 10 of AS/NZS 61439.1)

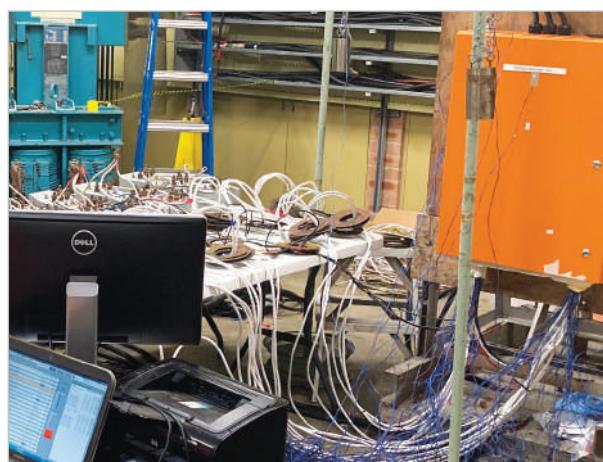
- Verifies compliance of the design using three verification options.
- Is intended to verify compliance of the design of an Assembly with the requirements of the standards.
- Includes Constructional Requirements and Performance requirements.

ROUTINE VERIFICATION (Clause 11 of AS/NZS 61439.1)

- Checks whether Design Verifications are available where appropriate.
- Is intended to verify compliance of the design of an Assembly with the requirements of the standards.
- Includes Constructional Requirements and Performance requirements.

DESIGN VERIFICATION – THREE METHODS

(Refer table D.1)



1. Verification by testing

The requirements of the standard are proved by testing.

2. Verification by comparison with a tested most onerous design

Most requirements would fall under this category. This involves verification by comparing the application design with tested arrangements.

3. Verification by assessment

This method allows verification by the application of calculations and design rules. Limits and strict conditions apply which include appropriate safety margins.

EVOLUTION DISTRIBUTION BOARDS

DESIGN VERIFICATION CARRIED OUT TO AS/NZS61439.1

(Table D.1)



Tested

No.	Characteristic to be verified	Sub-clause	Test/Doc. Reference	Comments
	Resistance to corrosion	10.2.2	DEKRA 2217145.102	IPD standard enclosure complies
	Thermal Stability	10.2.3.1	DEKRA 2217145.102	IPD standard enclosure complies
1	Resistance to abnormal heat and fire due to internal electric effects	10.2.3.2	TUV-50153987 001 CTI-A2200314842101E	IPD standard assembly complies
	Mechanical Impact	10.2.6	DEKRA 2217145.102 IK08	IPD standard enclosure complies
	Marking (labels)	10.2.7	See comment	Assembly manufacturer to verify. (Test required for printed labels. Verification exempted for engraved labels) Verified by:..... Date:...../...../.....
2	Degree of Protection of enclosure	10.3	IP43 - TESTSAFE-32363 IP65 - UL - 129169-02/A1 IP66 - TUV-19401430.001	IPD standard enclosure complies. Assembly Manufacturer to assess and verify IP rating if cutouts made on the door to mount a device/rotary handle etc. Verified by:..... Date:...../...../.....
3	Clearance	10.4	See comment	IPD standard assembly complies. Assembly manufacturer to verify the final design (Min. distance 5.5mm for 6kV Uimp, 3mm for 4kV Uimp) Verified by:..... Date:...../...../.....
4	Creepage distances	10.4	See comment	IPD standard assembly complies. Assembly manufacturer to verify the final design (Min. distance 10mm for 630V U) Verified by:..... Date:...../...../.....
5	Effective continuity between the exposed conductive parts of the assembly and the protective circuit	10.5.2	DEKRA 2217145.102	IPD standard assembly complies
	Short Circuit Withstand Strength of the protective circuit	10.5.3	PlusES 104030 Icc = 18kA (60% of 30kA)	IPD standard assembly complies
6	Incorporation of switching device and components	10.6	See comment	Assembly manufacturer to verify Verified by:..... Date:...../...../.....
7	Internal electrical circuits and connections	10.7	See comment	Assembly manufacturer to verify Verified by:..... Date:...../...../.....
8	Terminals for external conductors	10.8	See comment	Assembly manufacturer to verify Verified by:..... Date:...../...../.....
9	Dielectric properties (Power-frequency withstand voltage)	10.9.2	PlusES 104030	IPD standard assembly complies
	Impulse withstand voltage	10.9.3	PlusES 104030	IPD standard assembly complies
10	Temperature-rise limits	10.10	Design A – NJ21006 InA = 250A RDF (outgoing circuits) = 0.6	Please refer to the tested designs overleaf. Assembly manufacturer to verify the final design Verified by:..... Date:...../...../.....
11	Short-circuit withstand strength	10.11	PlusES 104030 Icc = 30kA	IPD standard assembly complies
12	Electromagnetic compatibility (EMC)	10.12	Verified	IPD offer complies
13	Mechanical operation	10.13	Verified	IPD offer complies
DBO	Mechanical strength of fastening means of enclosure	10.101	XXX	IPD offer complies
	Fixing in position of Pole fillers to comply with IP2XC of 8.2.8	10.102	XXX	IPD offer complies

EVOLUTION E43 - FOR INDOOR APPLICATIONS

COMPACT RANGE

Features:

- Suitable for indoor applications, such as inside an electrical cupboard, switchroom or mounted on an internal wall.
- Designed for ABB System pro M S200 range protection devices.
- Made from 1.0mm & 1.2mm Mild Steel.
- IP43 water and dustproofing.
- Width: 600mm.
- Depth: 200mm.
- Height: Refer to Part Number table.
- RAL7035 Grey or RAL2000 Orange.
- Full Gland Plate Top & Bottom.
- Metal locks.
- Hinged Escutcheon.



E43A12CT125

E43 Distribution Compact Board with No Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	24	E43L12CN	E43A12CN
18	600	24	E43L18CN	E43A18CN
24	600	24	E43L24CN	E43A24CN
36	800	24	E43L36CN	E43A36CN
48	800	24	E43L48CN	E43A48CN

E43 Distribution Compact Board with OT125 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	20	E43L12CT125	E43A12CT125
18	600	20	E43L18CT125	E43A18CT125
24	600	20	E43L24CT125	E43A24CT125
36	800	20	E43L36CT125	E43A36CT125
48	800	20	E43L48CT125	E43A48CT125

E43 Distribution Compact Board with OT250 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	15	E43L12CT250	E43A12CT250
18	600	15	E43L18CT250	E43A18CT250
24	600	15	E43L24CT250	E43A24CT250
36	800	15	E43L36CT250	E43A36CT250
48	800	15	E43L48CT250	E43A48CT250

E43 Distribution Compact Board with OT125 Load Break Mainswitch and Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	800	15	E43L12CT125X	E43A12CT125X
18	800	15	E43L18CT125X	E43A18CT125X
24	800	15	E43L24CT125X	E43A24CT125X

E43 Distribution Compact Board with OT250 Load Break Mainswitch and Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	800	15	E43L12CT250X	E43A12CT250X
18	800	15	E43L18CT250X	E43A18CT250X
24	800	15	E43L24CT250X	E43A24CT250X

EVOLUTION E43 - FOR INDOOR APPLICATIONS

STANDARD RANGE



E43L24N

E43 Distribution Board with No Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	24	E43L12N	E43A12N
18	800	24	E43L18N	E43A18N
24	800	24	E43L24N	E43A24N
36	800	24	E43L36N	E43A36N
48	1000	24	E43L48N	E43A48N
60	1000	24	E43L60N	E43A60N
72	1200	24	E43L72N	E43A72N
84	1200	24	E43L84N	E43A84N
96	1400	24	E43L96N	E43A96N



E43L36T250

E43 Distribution Board with OT250 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	15	E43L12T250	E43A12T250
18	800	15	E43L18T250	E43A18T250
24	800	15	E43L24T250	E43A24T250
36	800	15	E43L36T250	E43A36T250
48	1000	15	E43L48T250	E43A48T250
60	1000	15	E43L60T250	E43A60T250
72	1200	15	E43L72T250	E43A72T250
84	1200	15	E43L84T250	E43A84T250
96	1400	15	E43L96T250	E43A96T250

E43 Distribution Board with Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	1000	15	E43L12T250X	E43A12T250X
18	1000	15	E43L18T250X	E43A18T250X
24	1000	15	E43L24T250X	E43A24T250X
36	1200	15	E43L36T250X	E43A36T250X
48	1200	15	E43L48T250X	E43A48T250X
60	1400	15	E43L60T250X	E43A60T250X
72	1400	15	E43L72T250X	E43A72T250X

EVOLUTION E43 - FOR INDOOR APPLICATIONS

STANDARD RANGE



E43L60D400

E43 Distribution Board with XT4 MCCB Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	800	18	E43L12XT4250	E43A12XT4250
18	800	18	E43L18XT4250	E43A18XT4250
24	800	18	E43L24XT4250	E43A24XT4250
36	1000	18	E43L36XT4250	E43A36XT4250
48	1000	18	E43L48XT4250	E43A48XT4250
60	1200	18	E43L60XT4250	E43A60XT4250
72	1200	18	E43L72XT4250	E43A72XT4250
84	1400	18	E43L84XT4250	E43A84XT4250
96	1400	18	E43L96XT4250	E43A96XT4250

E43 Distribution Board with Non-Auto MCCB Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	1400	16	E43L12D400	E43A12D400
18	1400	16	E43L18D400	E43A18D400
24	1400	16	E43L24D400	E43A24D400
36	1400	16	E43L36D400	E43A36D400
48	1400	16	E43L48D400	E43A48D400
60	1400	16	E43L60D400	E43A60D400

E43 Distribution Board with Chassis to suit DS203NC

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
8/28	800	15	E43L4P8/28T250	E43A4P8/28T250
16/44	1000	15	E43L4P16/44T250	E43A4P16/44T250
24/36	1000	15	E43L4P24/36T250	E43A4P24/36T250
16/68	1200	15	E43L4P16/68T250	E43A4P16/68T250
24/60	1200	15	E43L4P24/60T250	E43A4P24/60T250
32/52	1200	15	E43L4P32/52T250	E43A4P32/52T250

IP43 Header Boxes

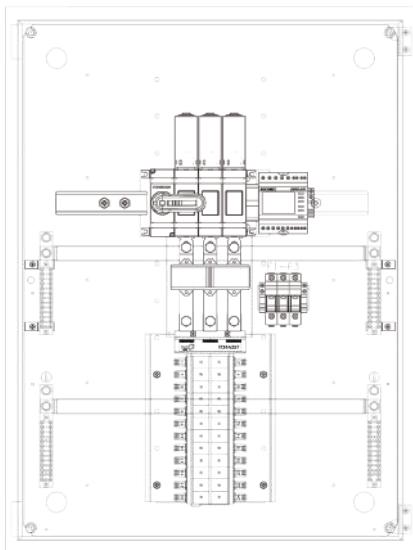
	Function	Height (mm)	Part No. Grey	Part No. Orange
Extra DIN space	1 x 24P rows	400	E43LDIN	E43ADIN
	2 x 24P rows	400	E43LDIN2	E43ADIN2
	3 x 24P rows	600	E43LDIN3	E43ADIN3
	4 x 24P rows	800	E43LDIN4	E43ADIN4
	5 x 24P rows	1000	E43LDIN5	E43ADIN5
	6 x 24P rows	1200	E43LDIN6	E43ADIN6
	7 x 24P rows	1400	E43LDIN7	E43ADIN7
Switch	OT125 Switch	400	E43LT125	E43AT125
	OT250 Switch	400	E43LT250	E43AT250



E43LDIN3

EVOLUTION E43 - FOR INDOOR APPLICATIONS

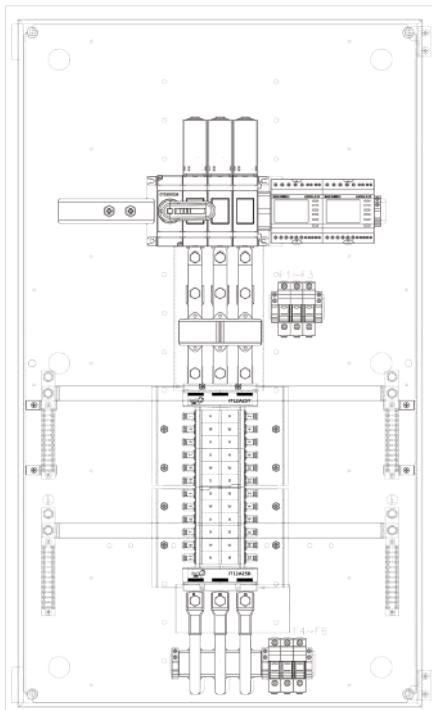
STANDARD RANGE



E43LM24T250

E43 Distribution Board with single CT Meter

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
24	800	11	E43LM24T250	E43AM24T250
36	1000	11	E43LM36T250	E43AM36T250
48	1000	11	E43LM48T250	E43AM48T250
60	1200	11	E43LM60T250	E43AM60T250
72	1200	11	E43LM72T250	E43AM72T250
84	1400	11	E43LM84T250	E43AM84T250



E43LM1212T250

E43 Distribution Board with dual light and power CT Meters

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12L/12P	1000	7	E43LM1212T250	E43AM1212T250
12L/24P	1200	7	E43LM1224T250	E43AM1224T250
18L/18P	1200	7	E43LM1818T250	E43AM1818T250
18L/30P	1200	7	E43LM1830T250	E43AM1830T250
24L/24P	1200	7	E43LM2424T250	E43AM2424T250
18L/42P	1400	7	E43LM1842T250	E43AM1842T250
30L/30P	1400	7	E43LM3030T250	E43AM3030T250
24L/48P	1400	7	E43LM2448T250	E43AM2448T250
36L/36P	1400	7	E43LM3636T250	E43AM3636T250
36L/48P	2000	31	E43LM3648T250	E43AM3648T250
36L/60P	2000	31	E43LM3660T250	E43AM3660T250

EVOLUTION E65 - FOR OUTDOOR APPLICATIONS

COMPACT RANGE

Improved performance when used outdoor

- Metal locks.
- UV stabilized powder coat.
- Improved rain hoods.

Features:

- Designed for ABB System pro M S200 range protection devices.
- Made from 1.6mm Mild Steel.
- IP65 water and dustproofing.
- Width: 600mm.
- Depth: 200mm.
- Height: Refer to Part Number table.
- RAL7035 Grey or RAL2000 Orange.
- Full Gland Plate Top & Bottom.
- Hinged Escutcheon.



E65 Distribution Compact Board with No Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	24	E65L12CN	E65A12CN
18	600	24	E65L18CN	E65A18CN
24	600	24	E65L24CN	E65A24CN
36	800	24	E65L36CN	E65A36CN
48	800	24	E65L48CN	E65A48CN

E65 Distribution Compact Board with OT125 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	20	E65L12CT125	E65A12CT125
18	600	20	E65L18CT125	E65A18CT125
24	600	20	E65L24CT125	E65A24CT125
36	800	20	E65L36CT125	E65A36CT125
48	800	20	E65L48CT125	E65A48CT125

E65 Distribution Compact Board with OT250 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	15	E65L12CT250	E65A12CT250
18	600	15	E65L18CT250	E65A18CT250
24	600	15	E65L24CT250	E65A24CT250
36	800	15	E65L36CT250	E65A36CT250
48	800	15	E65L48CT250	E65A48CT250

E65 Distribution Compact Board with OT125 Load Break Mainswitch and Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	800	15	E65L12CT125X	E65A12CT125X
18	800	15	E65L18CT125X	E65A18CT125X
24	800	15	E65L24CT125X	E65A24CT125X

E65 Distribution Compact Board with OT250 Load Break Mainswitch and Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	800	15	E65L12CT250X	E65A12CT250X
18	800	15	E65L18CT250X	E65A18CT250X
24	800	15	E65L24CT250X	E65A24CT250X

EVOLUTION E65 - FOR OUTDOOR APPLICATIONS

STANDARD RANGE



E65L48T250X

E65 Distribution Board with No Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	24	E65L12N	E65A12N
18	800	24	E65L18N	E65A18N
24	800	24	E65L24N	E65A24N
36	800	24	E65L36N	E65A36N
48	1000	24	E65L48N	E65A48N
60	1000	24	E65L60N	E65A60N
72	1200	24	E65L72N	E65A72N
84	1200	24	E65L84N	E65A84N

E65 Distribution Board with OT250 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	600	15	E65L12T250	E65A12T250
18	800	15	E65L18T250	E65A18T250
24	800	15	E65L24T250	E65A24T250
36	800	15	E65L36T250	E65A36T250
48	1000	15	E65L48T250	E65A48T250
60	1000	15	E65L60T250	E65A60T250
72	1200	15	E65L72T250	E65A72T250
84	1200	15	E65L84T250	E65A84T250

E65 Distribution Board with Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	1000	15	E65L12T250X	E65A12T250X
18	1000	15	E65L18T250X	E65A18T250X
24	1000	15	E65L24T250X	E65A24T250X
36	1200	15	E65L36T250X	E65A36T250X
48	1200	15	E65L48T250X	E65A48T250X

EVOLUTION E65 - FOR OUTDOOR APPLICATIONS

STANDARD RANGE



E65A72XT4250

E65 Distribution Board with XT4 MCCB Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	800	18	E65L12XT4250	E65A12XT4250
18	800	18	E65L18XT4250	E65A18XT4250
24	800	18	E65L24XT4250	E65A24XT4250
36	1000	18	E65L36XT4250	E65A36XT4250
48	1000	18	E65L48XT4250	E65A48XT4250
60	1200	18	E65L60XT4250	E65A60XT4250
72	1200	18	E65L72XT4250	E65A72XT4250

E65 Distribution Board with Non-Auto MCCB Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12	1400	16	E65L12D400	E65A12D400
18	1400	16	E65L18D400	E65A18D400
24	1400	16	E65L24D400	E65A24D400
36	1400	16	E65L36D400	E65A36D400
48	1400	16	E65L48D400	E65A48D400
60	1400	16	E65L60D400	E65A60D400

E65 Distribution Board with Chassis to suit DS203NC

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
8/28	800	15	E65L4P8/28T250	E65A4P8/28T250
16/44	1000	15	E65L4P16/44T250	E65A4P16/44T250
24/36	1000	15	E65L4P24/36T250	E65A4P24/36T250
16/68	1200	15	E65L4P16/68T250	E65A4P16/68T250
24/60	1200	15	E65L4P24/60T250	E65A4P24/60T250
32/52	1200	15	E65L4P32/52T250	E65A4P32/52T250

RWBN + RWB Part Number Scheme

/

Number of poles for RWBN section

Number of poles for RWB section



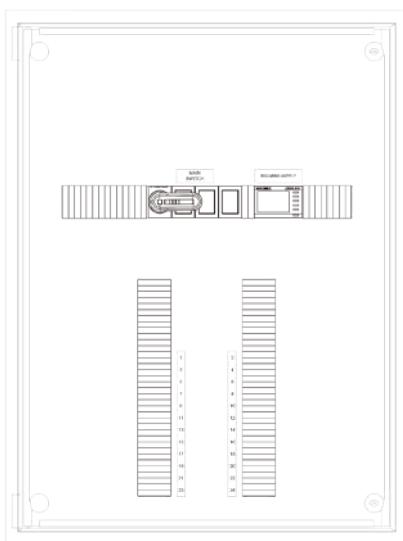
E65ADIN2

IP65 Header Boxes

	Function	Height (mm)	Part No. Grey	Part No. Orange
Extra DIN space	1 x 24P rows	400	E65LDIN	E65ADIN
	2 x 24P rows	400	E65LDIN2	E65ADIN2
	3 x 24P rows	600	E65LDIN3	E65ADIN3
	4 x 24P rows	800	E65LDIN4	E65ADIN4
	5 x 24P rows	1000	E65LDIN5	E65ADIN5
	6 x 24P rows	1200	E65LDIN6	E65ADIN6
	7 x 24P rows	1400	E65LDIN7	E65ADIN7
Switch	OT125 Switch	400	E65LT125	E65AT125
	OT250 Switch	400	E65LT250	E65AT250

EVOLUTION E65 - FOR OUTDOOR APPLICATIONS

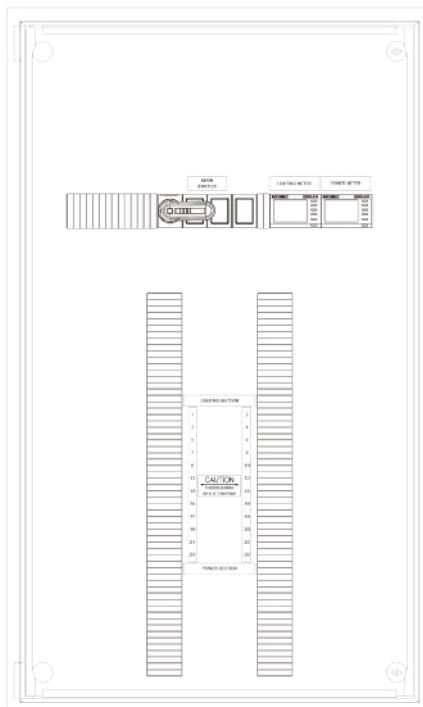
STANDARD RANGE



E43LM24T250

E65 Distribution Board with single CT Meter

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
24	800	11	E65LM24T250	E65AM24T250
36	1000	11	E65LM36T250	E65AM36T250
48	1000	11	E65LM48T250	E65AM48T250
60	1200	11	E65LM60T250	E65AM60T250
72	1200	11	E65LM72T250	E65AM72T250



E43LM1212T250

E65 Distribution Board with dual light and power CT Meters

Poles	Height (mm)	DIN Accessory spaces	Part No. Grey	Part No. Orange
12L/12P	1000	7	E65LM1212T250	E65AM1212T250
12L/24P	1200	7	E65LM1224T250	E65AM1224T250
18L/18P	1200	7	E65LM1818T250	E65AM1818T250
18L/30P	1200	7	E65LM1830T250	E65AM1830T250
24L/24P	1200	7	E65LM2424T250	E65AM2424T250
36L/48P	2000	31	E65LM3648T250	E65AM3648T250
36L/60P	2000	31	E65LM3660T250	E65AM3660T250

EVOLUTION E66 STAINLESS STEEL - HARSH ENVIRONMENTS

COMPACT RANGE

Features:

- Suitable for exposed outdoor, corrosive atmosphere or washdown situations.
- Designed for ABB System pro M S200 range protection devices.
- Made from 1.6mm Grade 316 Stainless Steel.
- IP66 water and dustproofing.
- Width: 600mm.
- Depth: 200mm.
- Height: Refer to Part Number table.
- Unpainted.
- Hinged Escutcheon.



E66S48T250

E66 Distribution Compact Board with No Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No.
12	600	24	E66S12CN
18	600	24	E66S18CN
24	600	24	E66S24CN
36	800	24	E66S36CN
48	800	24	E66S48CN

E66 Distribution Compact Board with OT125 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No.
12	600	20	E66S12CT125
18	600	20	E66S18CT125
24	600	20	E66S24CT125
36	800	20	E66S36CT125
48	800	20	E66S48CT125

E66 Distribution Compact Board with OT250 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No.
12	600	15	E66S12CT250
18	600	15	E66S18CT250
24	600	15	E66S24CT250
36	800	15	E66S36CT250
48	800	15	E66S48CT250

E66 Distribution Compact Board with OT125 Load Break Mainswitch and Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No.
12	800	15	E66S12CT125X
18	800	15	E66S18CT125X
24	800	15	E66S24CT125X

E66 Distribution Compact Board with OT250 Load Break Mainswitch and Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No.
12	800	15	E66S12CT250X
18	800	15	E66S18CT250X
24	800	15	E66S24CT250X

EVOLUTION E65 - FOR OUTDOOR APPLICATIONS

STANDARD RANGE

E66 Distribution Board with No Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No.
12	600	24	E66S12N
18	800	24	E66S18N
24	800	24	E66S24N
36	800	24	E66S36N
48	1000	24	E66S48N
60	1000	24	E66S60N
72	1200	24	E66S72N
84	1200	24	E66S84N

E66 Distribution Board with OT250 Load Break Mainswitch

Poles	Height (mm)	DIN Accessory spaces	Part No.
12	600	15	E66S12T250
18	800	15	E66S18T250
24	800	15	E66S24T250
36	800	15	E66S36T250
48	1000	15	E66S48T250
60	1000	15	E66S60T250
72	1200	15	E66S72T250
84	1200	15	E66S84T250

E66 Distribution Board with OT250 Load Break Mainswitch and Bottom Auxiliary Rail

Poles	Height (mm)	DIN Accessory spaces	Part No.
12	1000	15	E66S12T250X
18	1000	15	E66S18T250X
24	1000	15	E66S24T250X
36	1200	15	E66S36T250X
48	1200	15	E66S48T250X

IP66 Header Boxes

	Function	Height (mm)	Part No.
Extra DIN space	1 x 24P rows	400	E66SDIN
	2 x 24P rows	400	E66SDIN2
	3 x 24P rows	600	E66SDIN3
	4 x 24P rows	800	E66SDIN4
	5 x 24P rows	1000	E66SDIN5
	6 x 24P rows	1200	E66SDIN6
Switch	OT125 Switch	400	E66ST125
	OT250 Switch	400	E66ST250

EMPTY ENCLOSURES

For mounting extra equipment
Contactors for Mechanical Services
Cable Termination space

E43

Features:

- Made from 1.2mm Mild steel.
- No escutcheon.
- Blank Mounting Plate.
- Schedule card holder on door.
- Width: 600mm.
- Depth: 200mm.
- Height: Refer to Part Number table.
- RAL7035 Grey or RAL2000 Orange.
- Full Gland Plate Top & Bottom.



E65AEMPTY102

E43 Empty Enclosures for Mechanical Services - 200 Deep

Size (H x W x D)	Part No. Grey	Part No. Orange
400 x 600 x 200	E43LEMPY42	E43AEMPTY42
600 x 600 x 200	E43LEMPY62	E43AEMPTY62
800 x 600 x 200	E43LEMPY82	E43AEMPTY82
1000 x 600 x 200	E43LEMPY102	E43AEMPTY102
1200 x 600 x 200	E43LEMPY122	E43AEMPTY122
1400 x 600 x 200	E43LEMPY142	E43AEMPTY142

E43 Empty Enclosures for Mechanical Services - 300 Deep

Size (H x W x D)	Part No. Grey	Part No. Orange
400 x 600 x 300	E43LEMPY43	E43AEMPTY43
600 x 600 x 300	E43LEMPY63	E43AEMPTY63
800 x 600 x 300	E43LEMPY83	E43AEMPTY83
1000 x 600 x 300	E43LEMPY103	E43AEMPTY103
1200 x 600 x 300	E43LEMPY123	E43AEMPTY123

E65

E65 Empty Enclosures for Mechanical Services - 200 Deep

Size (H x W x D)	Part No. Grey	Part No. Orange
400 x 600 x 200	E65LEMPY42	E65AEMPTY42
600 x 600 x 200	E65LEMPY62	E65AEMPTY62
800 x 600 x 200	E65LEMPY82	E65AEMPTY82
1000 x 600 x 200	E65LEMPY102	E65AEMPTY102
1200 x 600 x 200	E65LEMPY122	E65AEMPTY122

E65 Empty Enclosures for Mechanical Services - 300 Deep

Size (H x W x D)	Part No. Grey	Part No. Orange
400 x 600 x 300	E65LEMPY43	E65AEMPTY43
600 x 600 x 300	E65LEMPY63	E65AEMPTY63
800 x 600 x 300	E65LEMPY83	E65AEMPTY83
1000 x 600 x 300	E65LEMPY103	E65AEMPTY103
1200 x 600 x 300	E65LEMPY123	E65AEMPTY123
800 x 800 x 300	E65LEMPY883	E65AEMPTY883
1000 x 800 x 300	E65LEMPY1083	E65AEMPTY1083
1200 x 800 x 300	E65LEMPY1283	E65AEMPTY1283

Features:

- Made from 1.6mm Mild steel.
- No escutcheon.
- Blank Mounting Plate.
- No schedule card holder.
- Height: Refer to Part Number table.
- RAL7035 Grey or RAL2000 Orange.
- Full Gland Plate Top & Bottom.

METER PANELS

Features:

- Double hinged meter panel made from Type X Switchpanel.
- 110mm behind and 180mm in front of panel.
- Width: 600mm, except E65LMTR8W and E65AMTR8W which are 800W.
- Depth: 300mm.



E43LMTR

E43 Meter Enclosures for Mechanical Services

Size (W x H) mm	Enclosure Height (mm)	Part No. Grey	Part No. Orange
550 x 550 switchpanel	600	E43LMTR	E43AMTR
550 x 740 switchpanel	800	E43LMTR8H	E43AMTR8H
550 x 550 switchpanel with 24P DIN	1000	E43LMTR24P	E43AMTR24P
550 x 550 switchpanel with 48P DIN	1000	E43LMTR48P	E43AMTR48P



E65AMTR24P

E65 Meter Enclosures for Mechanical Services

Size (W x H) mm	Enclosure Height (mm)	Part No. Grey	Part No. Orange
550 x 550 switchpanel	600	E65LMTR	E65AMTR
550 x 740 switchpanel	800	E65LMTR8H	E65AMTR8H
750 x 740 switchpanel	800	E65LMTR8W	E65AMTR8W
550 x 550 switchpanel with 24P DIN	1000	E65LMTR24P	E65AMTR24P
550 x 550 switchpanel with 48P DIN	1000	E65LMTR48P	E65AMTR48P

E66 Meter Enclosures for Mechanical Services

Size (W x H) mm	Enclosure Height (mm)	Part No. Unpainted
550 x 550 switchpanel	600	E66SMTR
550 x 740 switchpanel	800	E66SMTR8H
750 x 740 switchpanel	800	E66SMTR8W
550 x 550 switchpanel with 24P DIN	1000	E66SMTR24P
550 x 550 switchpanel with 48P DIN	1000	E66SMTR48P

ACCESSORIES - ELECTRICAL

Surge Protection

Description	Part No.
3P+N surge arrester IMAX (L+PE) 65kA T2 protection with Integral HRC backup fuse	DGMTTACI275FM
Surge filter 20A 20kA 8/20µs T2	SPSPRO27520AFM
3P+N In-line surge arrester for final subcircuits T3 fine protection	DRM4P255



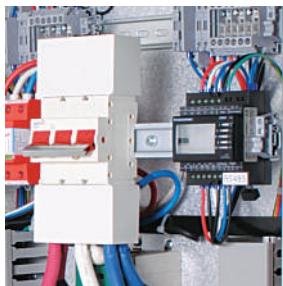
DGMTTACI275FM

Emergency Lighting Test Switch

Description	Current	Volt.	No. of Circuits	Part No.
Open type	25A	240V	4	ELTS4

Socomec Metering Kits

Description	Rating	Part No.
kWh Metering option includes Socomec Diris A10 multifunction meter, 3-in-1 CT block, fuses and all mounting equipment.	100A	EK-METER100
	160A	EK-METER160
	250A	EK-METER250
	400A	EK-METER400



kWh Metering Options



ELCK-D

ABB Metering Kits

Description	Rating	Part No.
kWh metering option includes ABB B24 multifunction meter, PRO XT CTs, fuses and all mounting equipment.	100A	EKA-METER100
	160A	EKA-METER160
	250A	EKA-METER250
	400A	EKA-METER400

External Lighting Control Kits

Control Function	Part No.
Mechanical Time Clock	ELCK-L
Digital Time Clock	ELCK-D
PE Cell	ELCK-P
Digital Time Clock + PE Cell	ELCK-DP
Digital Time Clock + 2Hr Override	ELCK-DB
Digital Time Clock + PE Cell + 2Hr Override	ELCK-DPB

RCD Test Switches

Description	Part No.
6 position + off cam switch including protection MCB and DIN mount GPO	EK-RCDSW6
11 position + off cam switch including protection MCB and DIN mount GPO	EK-RCDSW11
12 position cam switch including protection MCB and DIN mount GPO	EK-RCDSW12
6 position + off cam switch including protection MCB and DIN mount GPO Switches both Active and Neutral	EK-RCDSW6N



E-RCDSW6

For applications with higher number of circuits, contact your local IPD Sales office.

ACCESSORIES - LOCKING



E-PADLOCKCOVER



E-SWHANDLE

Handles And Three Point Locking

Description	Height	Part No.
Padlockable lock cover E43+E65	-	E-PADLOCKCOVER
Padlock cover E66	-	BOCOV52303
Padlockable L Handle	-	E-LHANDLE
Padlockable Swing Handle	-	E-SWHANDLE
	600mm	E-TPL06
	800mm	E-TPL08
Three point locking rods (E43 & E65 only)	1000mm	E-TPL10
	1200mm	E-TPL12
	1400mm	E-TPL14
	400mm	E-LLB04
	600mm	E-LLB06
Lock Linking for E66 (BS Enclosures)	800mm	E-LLB08
	1000mm	E-LLB10
	1200mm	E-LLB12
Linking adaptors		100-9033



3x100-9033 + E-LLB08



E-TPL10

Other Door Lock Options

Description	Part No.
	KELS12140
	NSW - PWD E
Coin Locks	RL-ELOCK-CL
	WA - 42886
	RL-42886-CL
	Wire Sealable IEC Style
	DSS06361
	Screwdriver quarter turn lock
	SL118-32
	Padlockable wing knob lock
L Handle	E-PADWINGKNOB
	VIC - CL001
	200-9437-CL001
	Padlockable stainless steel
	200-9481
T Handle	Locking Not Required
	THLC12130
	Unspecified Keylockable
	THLC12131
	QLD - 92268
Swing Handle	T-HANDLE-92268
	VIC - CL001
	T-HANDLE-CL001
	NSW - PWD E
	RL-ELOCK
	Padlockable stainless steel
	1107SSS04N
Other	Knob Lock
	ELS12120
	Plastic Bung
	ELS05817
	Replacement IEC style
	E-METALLOCK



200-9437-CL001

ACCESSORIES - MOUNTING & INSTALLATION

RAIN HOOD

200 Deep

Description	Part No.
E43 & E65 Grey	E-RAINHOOD-06L
E43 & E65 Orange	E-RAINHOOD-06A
E66	ELS62370



E-RAINHOOD-06L

300 Deep

Width	Part No. Grey	Part No. Orange
600mm	EM63RHGO	EM63RHAO
800mm	EM83RHGO	EM83RHAO
1200mm	EM123RHGO	EM123RHAO
1400mm	EM143RHGO	EM143RHAO

PLINTH

200 Deep

Description	Width	Part No.
100mm high painted 2mm Mild Steel	600mm	E-PLINTH2D
100mm high Hot Dip Galvanised	600mm	E-GALPLINTH1



E-GALPLINTH1

300 Deep

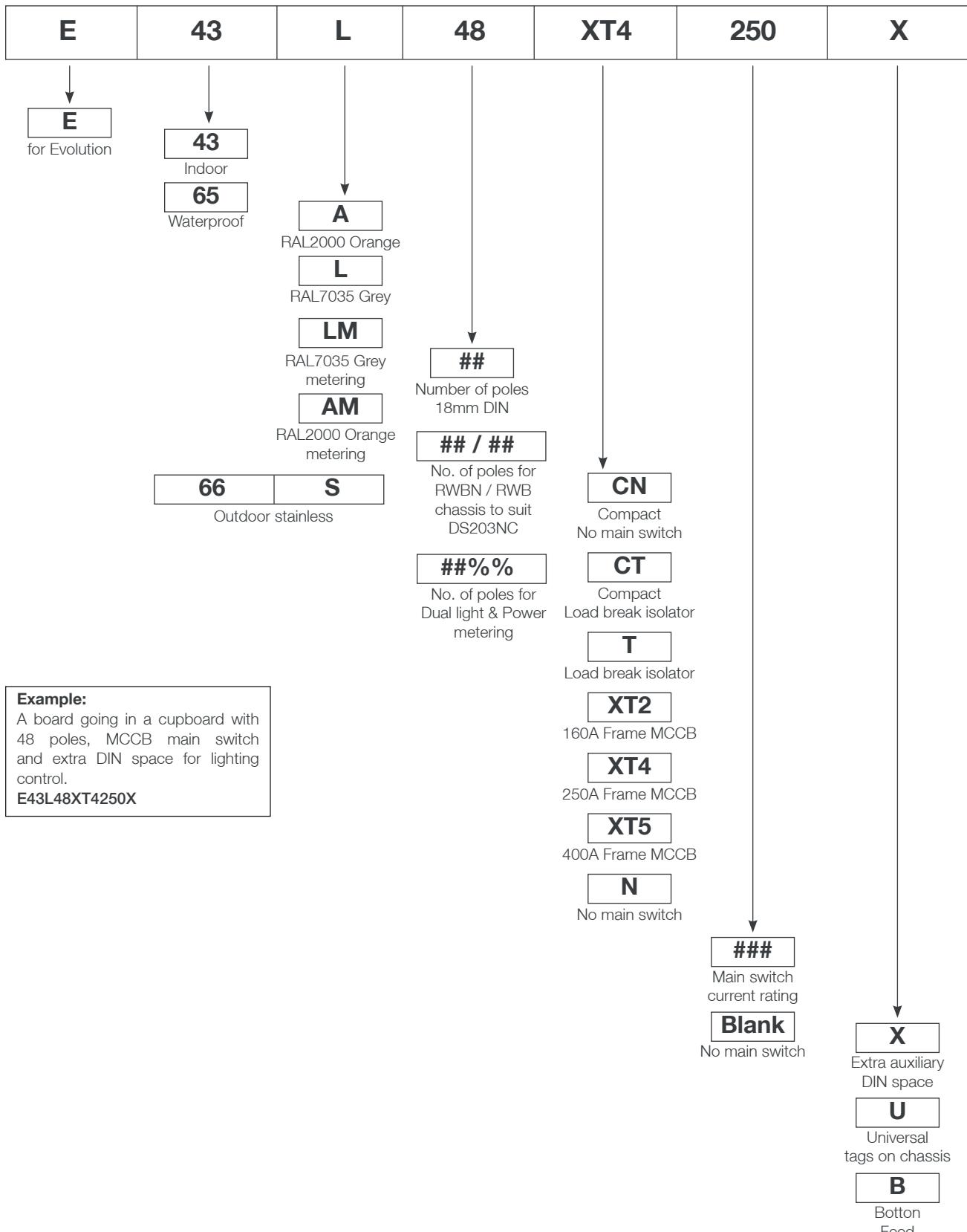
Width	Part No.
200mm	EM2PLNG
600mm	EM6PLNG
800mm	EM8PLNG

GLAND PLATES

Width	Part No. Aluminium	Part No. Brass	Part No. Insulated
3mm	E-GPALU3MM	E-GPBRASS3MM	-
6mm	E-GPALU6MM	E-GPBRASS6MM	E-GPINS6MM

NON-CATALOGUED CONFIGURATIONS

The Evolution range has been designed with so much flexibility that it would be impossible to list every configuration available. The numbering scheme below can be used to define configurations listed on pages 10 to 19.



Example:

A board going in a cupboard with 48 poles, MCCB main switch and extra DIN space for lighting control.

E43L48XT4250X

CUSTOM SOLUTIONS - QUOTE KITS

I WHAT ARE THE QUOTE KITS?

Quote Kits are designed to simplify the quoting of custom distribution boards by allowing mixing and matching of the main design components.

These main components are grouped with the associated minor components (labels and brackets) like a sub-assembly, although they cannot be assembled separately. This also simplifies the ordering process by negating the need to look up part numbers for these minor components.

For example, imagine you wanted a 24P Chassis in an oversize enclosure to allow for the mounting of contactors in the bottom.

You only need the three Quote Kit parts:

- EKA-1200B43A for the oversize enclosure, mounting pan and escutcheon.
EKA-24T250T for the chassis, earth and neutral bars.
EKA-MSOT250LINK for the main switch and auxiliary rail.

Enclosure Kits

Description	Height (mm)	IP43 Grey	IP43 Orange	IP65 Grey	IP65 Orange	IP66
Includes shell, mounting plate, escutcheon, pole fillers, earth labels, bubble label.	400	EKA-400B43L	EKA-400B43A	EKA-400B65L	EKA-400B65A	EKA-400B66
	600	EKA-600B43L	EKA-600B43A	EKA-600B65L	EKA-600B65A	EKA-600B66
	800	EKA-800B43L	EKA-800B43A	EKA-800B65L	EKA-800B65A	EKA-800B66
	1000	EKA-1000B43L	EKA-1000B43A	EKA-1000B65L	EKA-1000B65A	EKA-1000B66
	1200	EKA-1200B43L	EKA-1200B43A	EKA-1200B65L	EKA-1200B65A	EKA-1200B66
	1400	EKA-1400B43L	EKA-1400B43A	N/A	N/A	N/A

300mm Deep

Description	Height (mm)	IP43 Grey	IP43 Orange	IP65 Grey	IP65 Orange	IP66
Includes shell, mounting plate, escutcheon, pole fillers, earth labels, bubble label.	400	EKA-4003B43L	EKA-4003B43A	EKA-4003B65L	EKA-4003B65A	N/A
	600	EKA-6003B43L	EKA-6003B43A	EKA-6003B65L	EKA-6003B65A	EKA-6003B66
	800	EKA-8003B43L	EKA-8003B43A	EKA-8003B65L	EKA-8003B65A	EKA-8003B66
	1000	EKA-10003B43L	EKA-10003B43A	EKA-10003B65L	EKA-10003B65A	EKA-10003B66
	1200	EKA-12003B43L	EKA-12003B43A	EKA-12003B65L	EKA-12003B65A	N/A

300mm Deep & 800mm Wide

Description	Height (mm)	IP65 Grey	IP65 Orange
Includes shell, mounting plate, escutcheon, pole fillers, earth labels, bubble label.	800	EKA-80083B65L	EKA-80083B65A
	1000	EKA-100083B65L	EKA-100083B65A
	1200	EKA-120083B65L	EKA-120083B65A

CUSTOM SOLUTIONS - QUOTE KITS

IT Chassis Kits

Description	Poles	250A Top	250A Bottom	250A Tee-off	250A Universal
Includes chassis, mounting posts, E&N bars, E&N bar cross-links, neutral bar feet, escutcheon label.	12	EKA-12T250T	EKA-12T250B	EKA-12T250N	EKA-12T250U
	18	EKA-18T250T	EKA-18T250B	EKA-18T250N	EKA-18T250U
	24	EKA-24T250T	EKA-24T250B	EKA-24T250N	EKA-24T250U
	30	EKA-30T250T	EKA-30T250B	-	-
	36	EKA-36T250T	EKA-36T250B	EKA-36T250N	EKA-36T250U
	42	EKA-42T250T	EKA-42T250B	-	-
	60	EKA-60T250T	EKA-60T250B	EKA-60T250N	EKA-60T250U
	72	EKA-72T250T	EKA-72T250B	EKA-72T250N	EKA-72T250U
	84	EKA-84T250T	EKA-84T250B	EKA-84T250N	EKA-84T250U
	96	EKA-96T250T	EKA-96T250B	EKA-96T250N	EKA-96T250U
	108	EKA-108T250T	EKA-108T250B	-	-
	120	EKA-120T250T	EKA-120T250B	-	-

Note: For 400A rating change the 250 to 400 in the Part number. E.g: EKA-12T400T

RWBN 4P Chassis Kits

Description	Poles	RWBN to suit DS203NC 250A Top	RN,WN,BN to suit DS201(M) 250A Top
Includes chassis, mounting posts, E&N bars, E&N bar cross-links, neutral bar feet, escutcheon label.	24	EKA-43R24A25T	EKA-41R24A25T
	48	EKA-43R48A25T	EKA-41R48A25T
	72	EKA-43R72A25T	EKA-41R72A25T
	96	EKA-43R96A25T	EKA-41R96A25T

RWBN/RWB Chassis Kits

Description	Poles	250A Top
Includes chassis, mounting posts, E&N bars, E&N bar cross-links, neutral bar feet, escutcheon label.	8/28	EKA-43R8/28T250T
	8/52	EKA-43R8/52T250T
	8/76	EKA-43R8/76T250T
	16/44	EKA-43R16/44T25T
	16/68	EKA-43R16/68T25T
	24/36	EKA-43R24/36T25T
	24/60	EKA-43R24/60T25T
	32/52	EKA-43R32/52T25T

Note: These chassis have a combination of RWBN poles to suit DS203NC 4P RCBOs and RWB poles to suit 1P MCBs, 1P RCBOs and 3P MCBs

S800 Chassis

Description	Poles	400A Top
S800 only chassis	12	EKA-12HT400T
	18	EKA-18HT400T
	24	EKA-24HT400T
	36	EKA-36HT400T
	48	EKA-48HT400T
	60	EKA-60HT400T
	72	EKA-72HT400T

NYSOL8 Chassis

Description	Poles	250A Universal
Includes chassis, mounting brackets, E&N bars, E&N bar cross lines, neutral bar feet	12	EK-12P250UNY8
	24	EK-24P250UNY8
	36	EK-36P250UNY8
	48	EK-48P250UNY8
	60	EK-60P250UNY8
	72	EK-72P250UNY8
	84	EK-84P250UNY8
	96	EK-96P250UNY8

CUSTOM SOLUTIONS - QUOTE KITS

Main Switch DB Kits

Description	Part No.
Includes switch, Din rail, mounting posts, copper links to chassis.	
125A Switch Disconnector with IT Links	EKA-MSOT125LINK
250A Switch Disconnector with IT Links	EKA-MSOT250LINK
250A Moulded Case Circuit Breaker	EKA-MSXT4250LINK
200A Moulded Case Circuit Breaker	EKA-MSXT4200LINK
160A Moulded Case Circuit Breaker	EKA-MSXT2160LINK
125A Moulded Case Circuit Breaker	EKA-MSXT1125LINK
100A Moulded Case Circuit Breaker	EKA-MSXT1100LINK
250A Moulded Case Circuit Breaker with Electronic Trip Unit	EKA-MSXT4250ELINK
Mounting Rail only (or additional rail for extra aux DBs)	EKA-AUXRAIL

Main Switch Header Box Kits

Description	Part No.
Includes switch, Din rail, mounting posts.	
125A Switch Disconnector	EKA-MSOT125
250A Switch Disconnector	EKA-MSOT250
630A Moulded Case Circuit Breaker	EKA-MSXT5630E
400A Moulded Case Circuit Breaker	EKA-MSXT5400E
250A Moulded Case Circuit Breaker	EKA-MSXT4250
200A Moulded Case Circuit Breaker	EKA-MSXT4200
160A Moulded Case Circuit Breaker	EKA-MSXT2160
125A Moulded Case Circuit Breaker	EKA-MSXT1125
100A Moulded Case Circuit Breaker	EKA-MSXT1100
80A Moulded Case Circuit Breaker	EKA-MSXT1080
250A Moulded Case Circuit Breaker with Electronic Trip Unit	EKA-MSXT4250E

CT Meter Kits - Socomec

Description	Part No.
Includes Socomec Diris A10 multifunction meter, 3-in-1 CT block, fuses and all mounting equipment.	
100/5 CT connect	EK-METER100
160/5 CT connect	EK-METER160
250/5 CT connect	EK-METER250
400/5 CT connect	EK-METER400

CUSTOM SOLUTIONS - QUOTE KITS

CT Meter Kits - ABB

Description		Part No.
	100/5 CT connect	EKA-METER100
Includes ABB B24 multifunction meter, PRO XT CTs, fuses and all mounting equipment.	160/5 CT connect	EKA-METER160
	250/5 CT connect	EKA-METER250
	400/5 CT connect	EKA-METER400

Shell Repainting Kits

Description	Dimensions (H x W X D)	Part No.
	400mm x 600mm x 200mm	EKA-PAINT04H
Includes stripping shell of hinges, locks etc, taping over door seal, and third party repainting costs.	600mm x 600mm x 200mm	EKA-PAINT06H
If unusual colour and small volume, check that there is no additional cost for ordering in powdercoat especially.	800mm x 600mm x 200mm	EKA-PAINT08H
	1000mm x 600mm x 200mm	EKA-PAINT10H
	1200mm x 600mm x 200mm	EKA-PAINT12H
	1400mm x 600mm x 200mm	EKA-PAINT14H

Screws

Description	Part No.
DB Screw set for DIN rail, Chassis, E/N bars & Mainswitch Suits all size boards with a single chassis	EK-SCREWS

COMPONENTS AND SPARE PARTS

Shells

Description	Height (mm)	IP43 Grey	IP43 Orange	IP65 Grey	IP65 Orange	IP66 Stainless
Does not include mounting pan or escutcheon	400	E-43SHELL4L	E-43SHELL4A	E-65SHELL4L	E-65SHELL4A	BS60420-6
	600	E-43SHELL6L	E-43SHELL6A	E-65SHELL6L	E-65SHELL6A	BS60620-6
	800	E-43SHELL8L	E-43SHELL8A	E-65SHELL8L	E-65SHELL8A	BS60820-6
	1000	E-43SHELL10L	E-43SHELL10A	E-65SHELL10L	E-65SHELL10A	BS601020-6
	1200	E-43SHELL12L	E-43SHELL12A	E-65SHELL12L	E-65SHELL12A	BS601220-6
	1400	E-43SHELL14L	E-43SHELL14A	-	-	-

Shells - 300mm Deep

Description	Height (mm)	IP43 Grey	IP43 Orange	IP65 Grey	IP65 Orange	IP66 Stainless
Does not include mounting pan or escutcheon	400	E-43SHELL4L-300	E-43SHELL4A-300	E-65SHELL4L-300	E-65SHELL4A-300	-
	600	E-43SHELL6L-300	E-43SHELL6A-300	E-65SHELL6L-300	E-65SHELL6A-300	BS60630-6
	800	E-43SHELL8L-300	E-43SHELL8A-300	E-65SHELL8L-300	E-65SHELL8A-300	BS60830-6
	1000	E-43SHELL10L-300	E-43SHELL10A-300	E-65SHELL10L-300	E-65SHELL10A-300	BS601030-6
	1200	E-43SHELL12L-300	E-43SHELL12A-300	E-65SHELL12L-300	E-65SHELL12A-300	-

Shells - 300mm Deep & 800mm Wide

Description	Height (mm)	IP65 Light Grey	IP65 Orange	
Does not include mounting pan or escutcheon	800	E-65SHELL8L-800	E-65SHELL8A-800	
	1000	E-65SHELL10L-800	E-65SHELL10A-800	
	1200	E-65SHELL12L-800	E-65SHELL12A-800	

E630 - 300mm Deep

Description	Width x Height (mm)	IP43 Grey	IP43 Orange	IP55 Grey	IP55 Orange
Shells	400 x 800	EM48ENCG	EM48ENCA	-	-
	600 x 600	EM66ENCG	EM66ENCA	EM66ENCGO	-
	600 x 800	EM68ENCG	EM68ENCA	EM68ENCGO	-
	600 x 1200	EM612ENCG	EM612ENCA	-	-
	600 x 1400	-	-	EM614ENCGO-RO	EM614ENCAO-RO
	600 x 1400	-	-	EM614ENCGO-LO	EM614ENCAO-LO
	600 x 2000	-	-	EM620ENCGO-RO	EM620ENCAO-RO
	600 x 2000	-	-	EM620ENCGO-LO	EM620ENCAO-LO
Cable zones	200 x 600	EMM26CABG	EMM26CABA	-	-
	200 x 1400	EMM214CABG	EMM214CABA	EMM214CABGO	EMM214CABA0
	200 x 2000	EMM220CABG	EMM220CABA	EMM220CABGO	EMM220CABA0

COMPONENTS AND SPARE PARTS

I SHELL SPARE PARTS

Description	Height (mm)	Part No. Grey	Part No. Orange
Heavy Duty Doors	400	E-DOORHD-04L	E-DOORHD-04A
	600	E-DOORHD-06L	E-DOORHD-06A
	800	E-DOORHD-08L	E-DOORHD-08A
	1000	E-DOORHD-10L	E-DOORHD-10A
	1200	E-DOORHD-12L	E-DOORHD-12A
	1400	E-DOORHD-14L	E-DOORHD-14A
Doors for Mech services	600	E-DOORMS-06L	E-DOORMS-06A
	800	E-DOORMS-08L	E-DOORMS-08A
	1000	E-DOORMS-10L	E-DOORMS-10A
	1200	E-DOORMS-12L	E-DOORMS-12A



METALCAM-H-24



E-METALLOCK



E-DANGERLABEL240



E-WARNINGLABEL

Description	Part No.
Door Hinges	Top Left
	Bottom Left or Middle Right
	Middle Left or Bottom Right
Replacement Door Locks	Top Right
	Barrel
Gland Plates	Metal Cam
	Grey
Touch up paint	Orange
	Grey
	Orange

Labels and schedule cards

Description	Part No.
Steel Schedule Card Holder A4	RL-SCHA4
Schedule Card A4	E-SCHCARD-ABB
Schedule Card Plastic Film A4	RL-SCHA4FILM
ID Logo for door	E-BUBBLELABEL
415 volts label red and black on white sticker	E-DANGERLABEL
240 volts label red and black on white sticker	E-DANGERLABEL240
Warning risk of electric shock black on yellow sticker	E-WARNINGLABEL
Silver backed IPD logo	E-SILVERLABEL

COMPONENTS AND SPARE PARTS

Mounting Pans

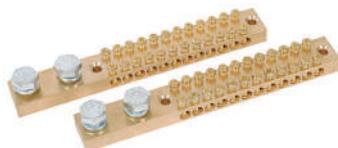


E-08A-MP

Description	Height (mm)	Pre-drilled Part No.	Blank Part No.
Suits 600mm wide enclosures	400	E-04A-MP	E-04BLA-MP
	600	E-06A-MP	E-06BLA-MP
	800	E-08A-MP	E-08BLA-MP
	1000	E-10A-MP	E-10BLA-MP
	1200	E-12A-MP	E-12BLA-MP
	1400	E-14A-MP	E-14BLA-MP
Suits 600mm wide Compact boards	600	E-06C-MP	-
	800	E-08C-MP	-

Description	Height (mm)	Blank Part No.
Suits 800mm wide enclosures	800	E-08BLA-MP-800W
	1000	E-10BLA-MP-800W
	1200	E-12BLA-MP-800W

Earth & Neutrals



EB24-OE



E-NEUTRALEXT

Description	Poles	Part No.
Odd & Even Pairs	24	EB24-OE
	36	EB36-OE
	48	EB48-OE
	60	EB60-OE
	72	EB72-OE
	84	EB84-OE
	96	EB96-OE
	108	EB108-OE
	120	EB120-OE
	Earth bar - 12 way (4 x M8)	EB12-4BOLT
Neutral Extension for Hti Chassis (ea)	Earth bar - 18 way (4 x M8)	EB18-4BOLT
	Stud Bar (6 x M8)	E-STUDBAR6
	Cross Links (pair)	RL-ENLINK
	Cross Links behind duct (pair)	E-ENLINK
	250A Large Cable links (ea)	E-LINK250A
	250A Busbar Link - 2 way	E-LINK250A2W
	250A Busbar Link - 6 way	E-LINK250A6W
	250A Busbar Link - 10 way	E-LINK250A10W
	630A Large Cable links (ea)	E-LINK630A
	630A Busbar Link - 2 way	E-LINK630A2W
	630A Busbar Link - 6 way	E-LINK630A6W
	630A Busbar Link - 10 way	E-LINK630A10W
	Neutral Feet to suit 250A or 630A bars (ea)	14NB1

COMPONENTS AND SPARE PARTS



OT125F3



OT250E03K



1SDA068219R1



1SDA066897R1



1SDA066591R1



1SDA066314R1



1SDA066422R1



1SDA066661R1

Main Switches

Description	Part No.
Switch disconnector 250A Direct handle	OT250E03K
Switch disconnector 125A	OT125F3

OT Main Switch Accessories

Description	Part No.
Fourth pole module suits OT160EV...250 3P switch	OTZ250E
3P long terminal shrouds for OT250	OTS250G1L/3

Moulded Case Circuit Breakers - XT3S 250 TMD

Description	Part No.
160A 50kA TMD MCCB 3P	1SDA068219R1
200A 50kA TMD MCCB 3P	1SDA068220R1
250A 50kA TMD MCCB 3P	1SDA068221R1

XT3 Accessories

Description	Part No.
3P Spreader terminals	1SDA066897R1
4P Spreader terminals	1SDA066265R1
Shunt Trip 24-30V AC/DC	1SDA066314R1
Shunt Trip 220-240VAC/DC	1SDA066317R1
ON/OFF AUXILIARY CONTACT 240VAC	1SDA066422R1
ON/OFF Auxiliary Contact 24VDC	1SDA066423R1
Padlock adaptor for locking in open/closed position	1SDA066591R1
3P Low terminal covers	1SDA066660R1
4P Low terminal covers	1SDA066661R1
3P High terminal covers	1SDA066668R1
4P High terminal covers	1SDA066669R1

Moulded Case Circuit Breakers - XT5N

Description	Part No.
400A LS/ 3P	1SDA100354R1
630A LS/ 3P	1SDA100355R1
400A LS/ 4P	1SDA100396R1
630A LS/ 4P	1SDA100397R1

XT5 Accessories

Description	Part No.
3P Spreader Terminals	1SDA104738R1
4P Spreader Terminals	1SDA104739R1
Shunt Trip 110-240VAC/DC	1SDA104926R1
Shunt Trip 24-60VAC/DC	1SDA104925R1
ON/OFF Auxiliary Contact 240VAC	1SDA066422R1
ON/OFF Auxiliary Contact 24VDC	1SDA066423R1
Padlock Adaptor	1SDA105098R1
3P Low Terminal Covers	1SDA105018R1
4P Low Terminal Covers	1SDA105019R1
3P High Terminal Covers	1SDA105025R1
4P High Terminal Covers	1SDA105026R1

Note : For a full list of ABB XT MCCB Parts, refer to IPD General Catalogue V16

COMPONENTS AND SPARE PARTS

Copper Links

Description	Part No.
XT4 to IA chassis	E-XT4-LINK
XT5 to NYBUS chassis	NYXT5ES
Extra Connection for Surge Device	E-LLINK
Extension for 3-in-1 CTs	E-CTLINK-IC



E-FE-POST used to provide tap-off for second chassis

Copper Posts

Length (mm)	Part No.
10	E-10MM-POST
15	E-15MM-POST
18	E-18MM-POST
20.5	E-FE-POST
33	E-33MM-POST
35	E-35MM-POST



E-XT3IASHROUD

Shrouds

Description	Part No.
Insulated connection cover OT125 to IT chassis	E-OT125SHROUD
Insulated connection cover OT250 to IT chassis	E-OT250SHROUD
Insulated connection cover XT3D to IA chassis	E-XT3IASHROUD
Cover when using CTs between XT3D & IA chassis	E-CTSHROUD
For cable connections direct to IA chassis	E-IASHROUD

COMPONENTS AND SPARE PARTS



E-XT1TH

Mounting Brackets for 200D Shells - Top Hat Mounting Brackets

Description	Part No.
XT1	E-XT1TH
XT2	E-XT2TH
XT3	E-XT3TH
XT4	E-XT4TH
XT5	E-XT5TH
OT250	E-OT250BKT



E-SP-87



E-SP-38

Mounting Posts

Description	Length (mm)	Part No.
FG MCCB / PP Chassis	38	E-SP-38
IAH Chassis	55	E-SP-55
ZFV55 DC Isolator	67	E-SP-67
IA Chassis	75	E-SP-75
Dilos Main Switch	76	E-SP-76
3G chassis	79	E-SP-79
3G chassis extra depth	82	E-SP-82
DIN rail	87	E-SP-87
300mm Enclosure depth extension	100	E-SP-100

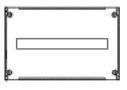
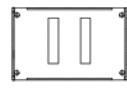
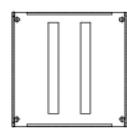
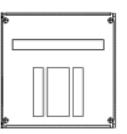
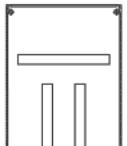
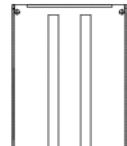
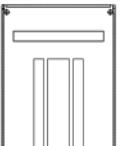
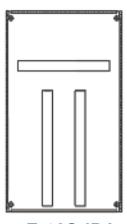
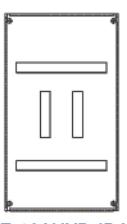
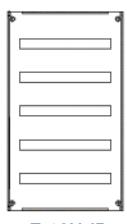
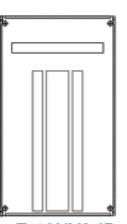
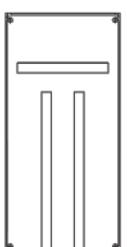
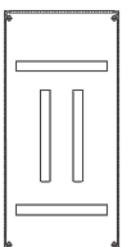
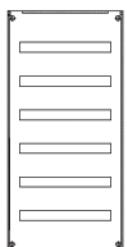
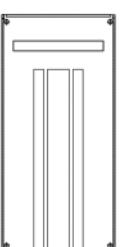
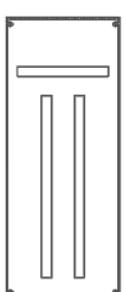
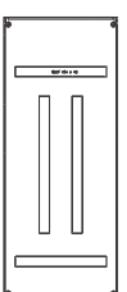
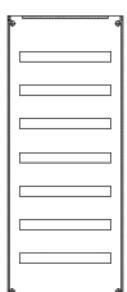
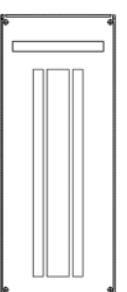


E-DINRAIL-L

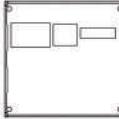
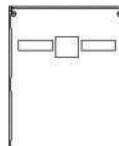
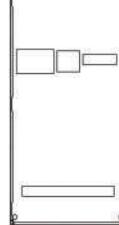
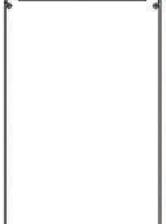
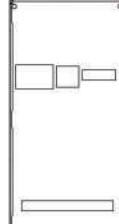
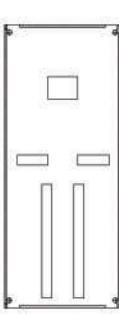
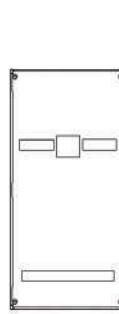
Din Rail

Description	Length (mm)	Part No.
24P wide + end stops	452	E-DINRAIL-L
9P wide + end stops	160	E-DINRAIL-S

ESCUTCHEONS

STANDARD	EXTRA AUXILIARY	DIN HEADER	CHASSIS ONLY	NYSOL8
				
E-02S-ID				
				
E-04S-ID		E-04H-ID	E-04V-IDA	
				
E-06C-IDA		E-06H-ID	E-06V-IDA	E-06NY8-ID
				
E-08S-IDA		E-08H-ID	E-08V-IDA	E-08NY8-ID
				
E-10S-IDA	E-10AUXD-IDA	E-10H-ID	E-10V-IDA	E-10NY8-ID
				
E-12S-IDA	E-12AUX-IDA	E-12H-ID	E-12V-IDA	E-12NY8-ID
				
E-14S-IDA	E-14AUXD-IDA	E-14H-ID		E-14NY8-ID

ESCUACHEONS

BLANK	800W BLANK	400A MCCB MAIN SWITCH	PV GRID PROTECTION
			
E-02BLA-ID			
			
E-04BLA-ID			
			
E-06BLA-ID			
		E-06XT5-IDA	
E-08BLA-ID		E-M06PVFE-ID	
			
E-10BLA-ID			
			
E-12BLA-ID			
			
E-14BLA-ID	E-12BLA-ID-800W	E-14XT5-IDA	
			E-M12GPSC-ID

COMPONENTS AND SPARE PARTS



E-MULLION+E-PARTITION-300+E-MPJOINER



E-ZBR-04H



E-DHANDLE



E-ESC

Partition

Description	Part No.
Mullion	E-MULLION
200mm Internal segregation	E-PARTITION-200
300mm Internal segregation	E-PARTITION-300
Mounting pan joining plate	E-MPJOINER

Z Brackets - Drops Escutcheon Back 62mm

Height (mm)	Part No.
400	E-ZBR-04H
600	E-ZBR-06H
800	E-ZBR-08H
1000	E-ZBR-10H
1200	E-ZBR-12H
1400	E-ZBR-14H

D Handles

Description	Part No.
D handle for lift off Escutcheons and Doors	E-DHANDLE

Escutcheon Spare Parts - Escutcheon Accessories

Description	Qty.	Part No.
Labels	18mm Pitch 1-48	RL-CL1MOD1-48
	18mm Pitch 1-96	E-ESCLABEL1-96
	27mm Pitch 1-30	RL-CL1.5MOD1-30
Hinge Brackets	4 x Hinge Side Brackets	E-ESC
Pole Fillers	1 strip of 4 poles (72mm long)	DBP4STRIP
Pole Fillers	1 pack of 10 strips	DBP4PACK
Replacement Locks plastic	-	ELS05775
Replacement Locks metal	-	E-ESCLKLOCK

MCB CHASSIS - ENCAPSULATED

Features:

- Connection tags spaced to directly connect onto 250A Isolator or MCCB.
- Chassis can be mounted with bases touching to form a split chassis.
- Direct Tee-off feed sections available to allow assembly of 3-way or even 4-way split chassis.
- Mounting dimensions are identical to the equivalent 3G chassis.

Specifications:

Base:	1.5mm thick painted sheet steel.
Copper:	2.0mm for 250A version. 3.0mm thick for 400A version.
Coating:	Duravin SCI-TV.
Withstand rating:	250A - 25kA/0.1s 400A - 30kA/0.1s



IA24A25T

Top Feed

Poles	250A Part No.	400A Part No.
12	IT12A25T	IT12A40T
18	IT18A25T	IT18A40T
24	IT24A25T	IT24A40T
30	IT30A25T	IT30A40T
36	IT36A25T	IT36A40T
42	IT42A25T	IT42A40T
48	IT48A25T	IT48A40T
60	IT60A25T	IT60A40T
72	IT72A25T	IT72A40T
84	IT84A25T	IT84A40T
96	IT96A25T	IT96A40T
108	IT108A25T	IT108A40T
120	IT120A25T	IT120A40T

Bottom Feed

Poles	250A Part No.	400A Part No.
12	IT12A25B	IT12A40B
18	IT18A25B	IT18A40B
24	IT24A25B	IT24A40B
36	IT36A25B	IT36A40B
48	IT48A25B	IT48A40B
60	IT60A25B	IT60A40B
72	IT72A25B	IT72A40B
84	IT84A25B	IT84A40B
96	IT96A25B	IT96A40B

Universal Feed

Poles	250A Part No.	400A Part No.
12	IT12A25U	IT12A40U
18	IT18A25U	IT18A40U
24	IT24A25U	IT24A40U
36	IT36A25U	IT36A40U
48	IT48A25U	IT48A40U
60	IT60A25U	IT60A40U
72	IT72A25U	IT72A40U
84	IT84A25U	IT84A40U
96	IT96A25U	IT96A40U

Tee-off Feed

Poles	250A Part No.	400A Part No.
12	IT12A25N	-
18	IT18A25N	-
24	IT24A25N	-
36	IT36A25N	-
48	IT48A25N	-
60	IT60A25N	-
72	IT72A25N	-
84	IT84A25N	-
96	IT96A25N	-

Connection Options for Tee-off Feed

Description	Part No.
100A 3P Main Switch	E203100RD
1P Connection Terminal	546290

Labels for Changing Top to Bottom

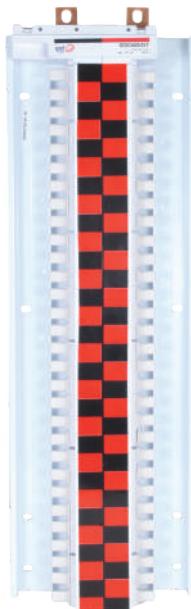
Description	Poles	Part No.
For main tag indication	-	IT-TOPLABEL
	12	IT-LABEL12P
	18	IT-LABEL18P
	24	IT-LABEL24P
	36	IT-LABEL36P
	48	IT-LABEL48P
	60	IT-LABEL60P
	72	IT-LABEL72P
	84	IT-LABEL84P
	96	IT-LABEL96P
For Top to Bottom conversion		

Note: Roll of 1000 poles

Evolution Distribution Boards-V3

MCB CHASSIS - ENCAPSULATED

27mm Pitch Universal Feed



IADC60A25T

Poles	400A Part No.
12	ITH12A40U
18	ITH18A40U
24	ITH24A40U
36	ITH36A40U
48	ITH48A40U
60	ITH60A40U
72	ITH72A40U

Note: Top & Bottom also available

DC Chassis - Top Feed

Poles	400A Part No.
12	ITDCR12A25T
18	ITDCR18A25T
24	ITDCR24A25T
36	ITDCR36A25T
48	ITDCR48A25T
60	ITDCR60A25T
72	ITDCR72A25T
84	ITDCR84A25T
96	ITDCR96A25T

4 pole - NR, NW, NB - Top Feed

Description	Poles	400A Part No.
Suits S202, S202M, DS201, DS201M and DS202M	12	IT41R12A25T
	24	IT41R24A25T
	36	IT41R36A25T
	48	IT41R48A25T
	60	IT41R60A25T
	72	IT41R72A25T
	84	IT41R84A25T
	96	IT41R96A25T

Note: Bottom & Universal also available

4 pole - NRWB - Universal Feed

Description	Poles	400A Part No.
Suits S204, S204M & DS203NC	24	IT43R24A25U
	48	IT43R48A25U
	72	IT43R72A25U
	96	IT43R96A25U

NYSOL8 CHASSIS

Features:

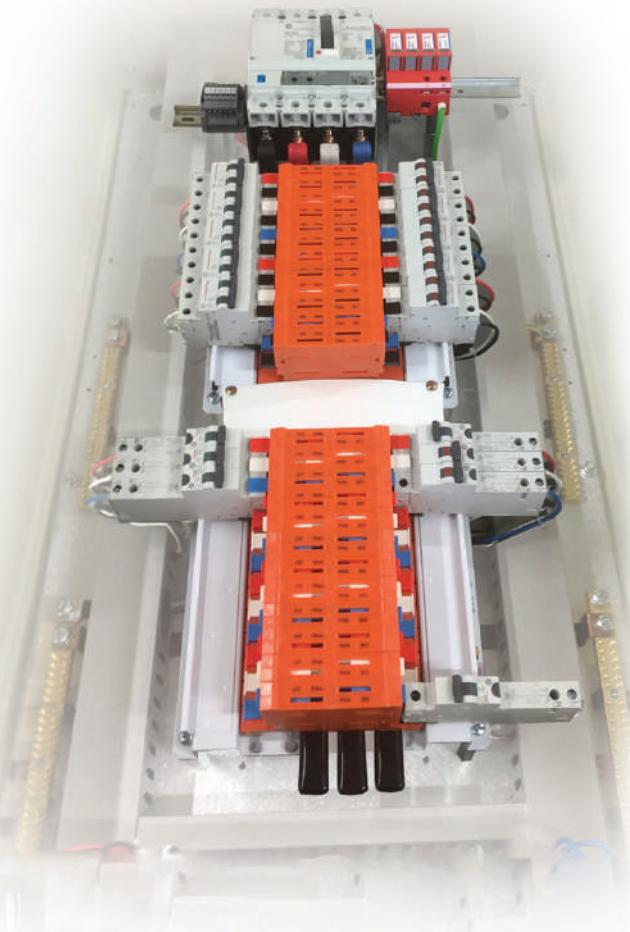
- Complying standards
 - AS/NZS IEC 60947.3 for Isolating switches
 - AS/NZS 61439.2 for Switchboards
 - AS/NZS 3000 for Wiring Rules
 - AS/NZS 3439 for Low-voltage switchgear
- Better kA ratings; 10kA/1s, 36kA/0.1s and fully type tested to suit a large range of MCB'S.
- Suitable to achieve compliance with all forms of separation as per AS/NZS 61439 Appendix ZC.
- Voltage Ratings
 - Rated Voltage U_n : 415V
 - Insulation Voltage U_i : 440V
 - Rated Withstand Impulse Voltage U_{imp} : 4kV
- AC21B at 63A to AS/NZS IEC 60947.3.
- AC20B at 63A.
- Large main connection tags.
- Disconnector has been tested 300 cycles under load.
- Disconnector requires a tool, can't be finger operated.
- Spring loaded tee-off covers.
- Interlocked covers and Disconnector-Unable to energise tee-off without fitting an MCB or RCBO.
- Nysol8 in Electrical Orange for easy identification.
- 18mm pitch poles.
- Insulated enclosure, insulated tee-off covers, insulating tongue over the line terminal & interlocked isolating switch operable only by tool making suitable for Form 2b, 3bh, 4ah & 4bh applications.

Universal Feed

Poles	250A Part No.
12	NY8A12A25U
18	NY8A18A25U
24	NY8A24A25U
36	NY8A36A25U
48	NY8A48A25U
60	NY8A60A25U
72	NY8A72A25U
84	NY8A84A25U
96	NY8A96A25U

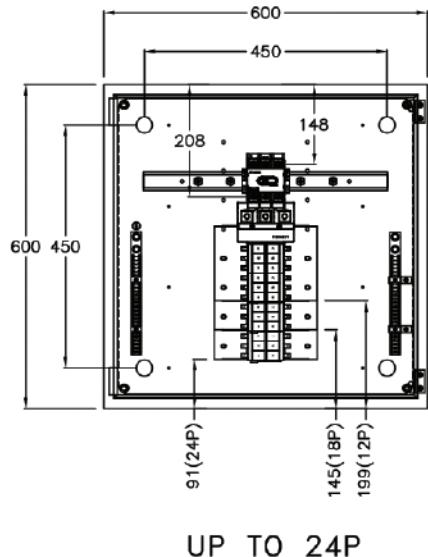


NY8A36A25U

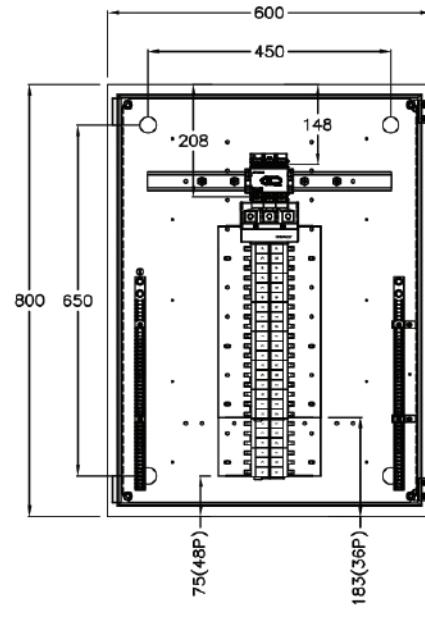


DIMENSIONS FOR COMPACT BOARDS

I WITH OT125 LOAD BREAK MAINSWITCH

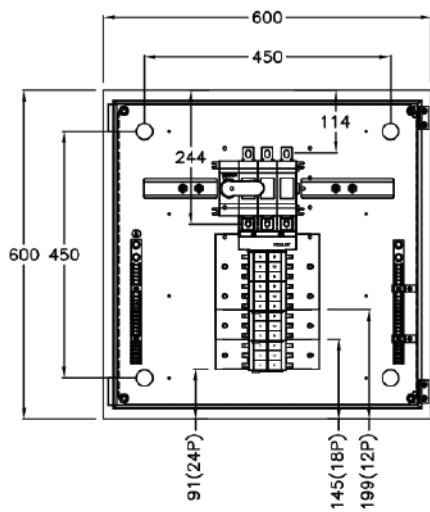


UP TO 24P

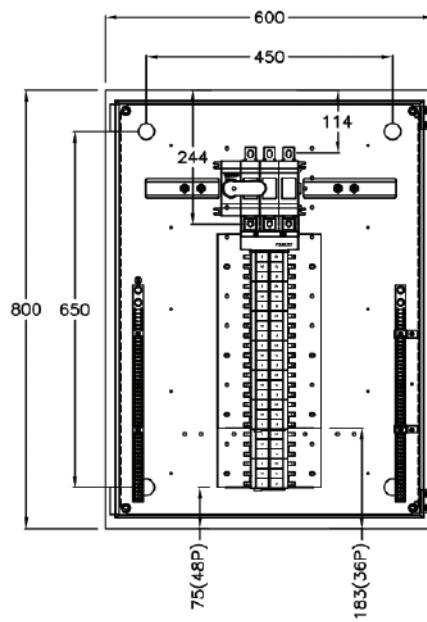


UP TO 48P

I WITH OT250 LOAD BREAK MAINSWITCH



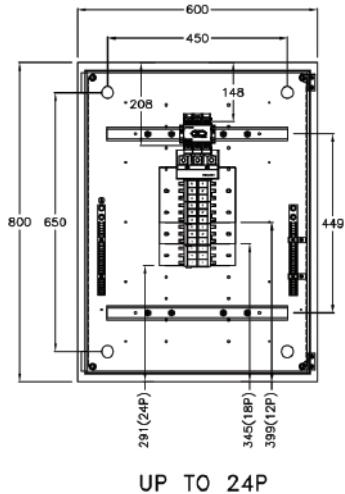
UP TO 24P



UP TO 48P

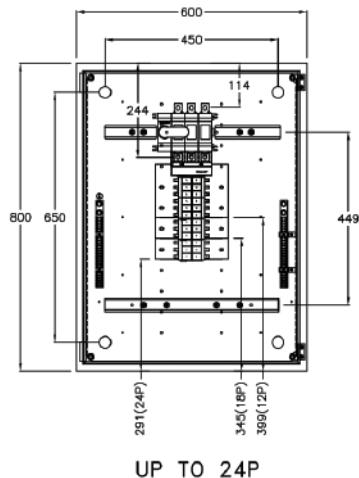
DIMENSIONS FOR COMPACT BOARDS

| WITH OT125 LOAD BREAK MAINSWITCH WITH EXTRA X RAIL



UP TO 24P

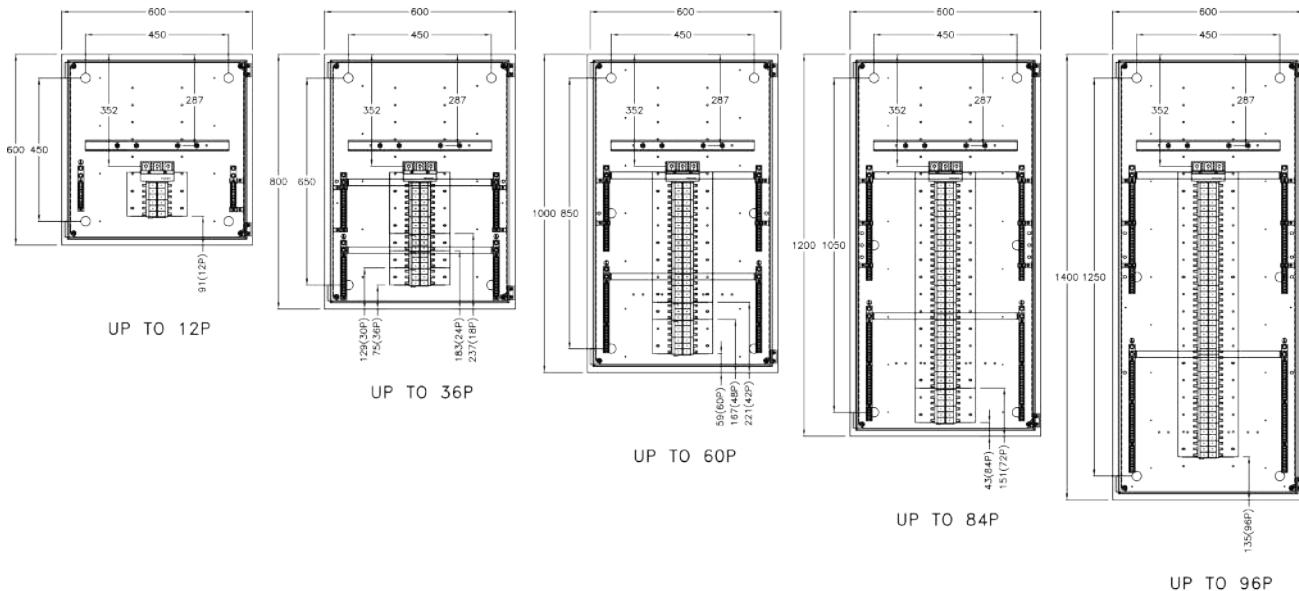
| WITH OT250 LOAD BREAK MAINSWITCH WITH EXTRA X RAIL



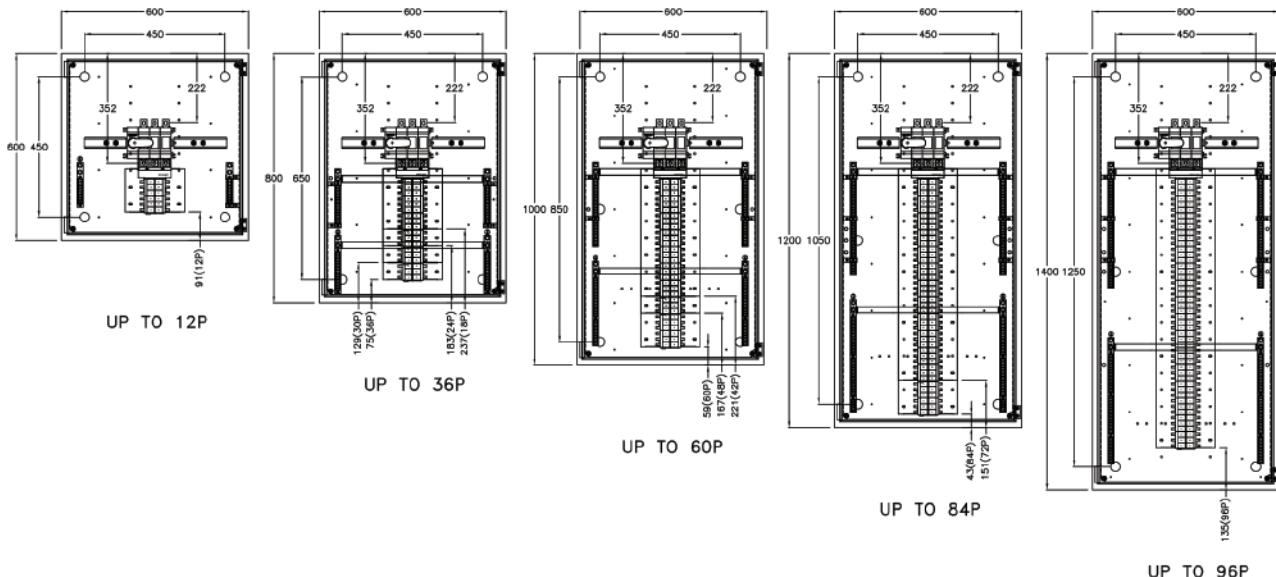
UP TO 24P

DIMENSIONS FOR STANDARD BOARDS

| WITHOUT MAIN SWITCH

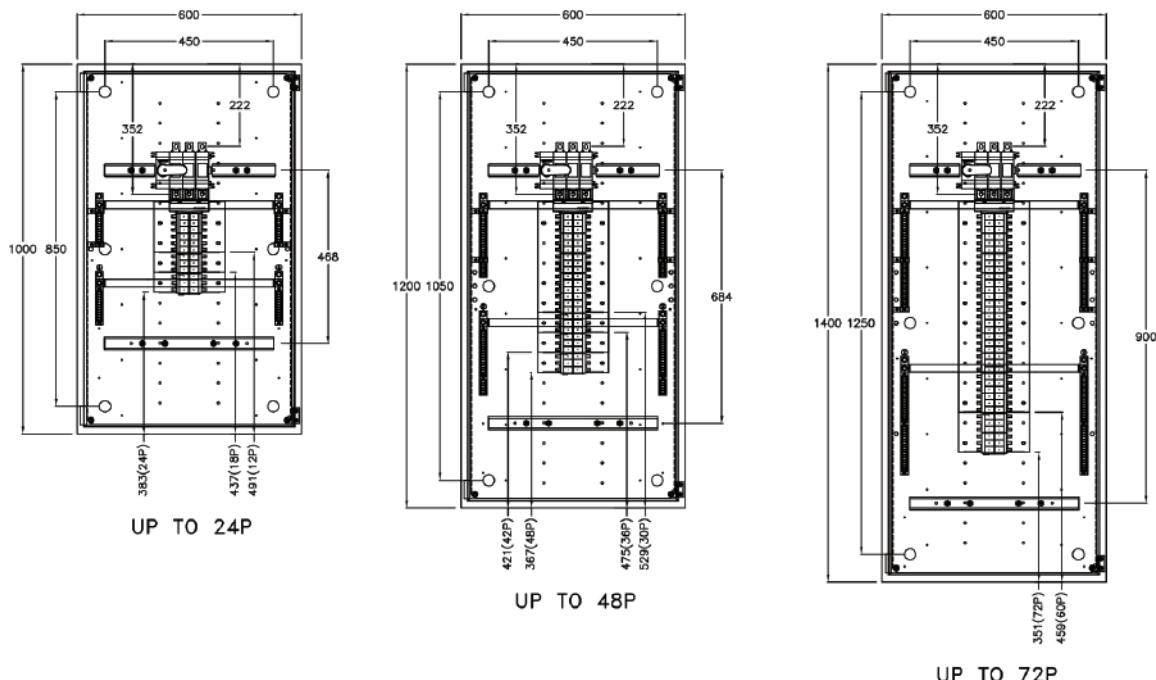


| WITH OT250 LOAD BREAK MAINSWITCH

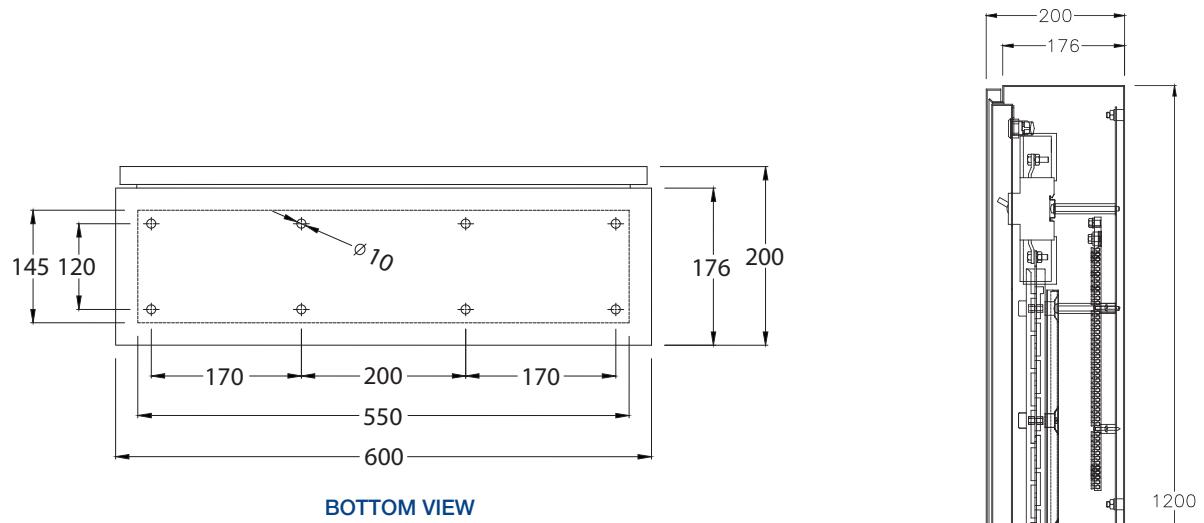


DIMENSIONS FOR STANDARD BOARDS

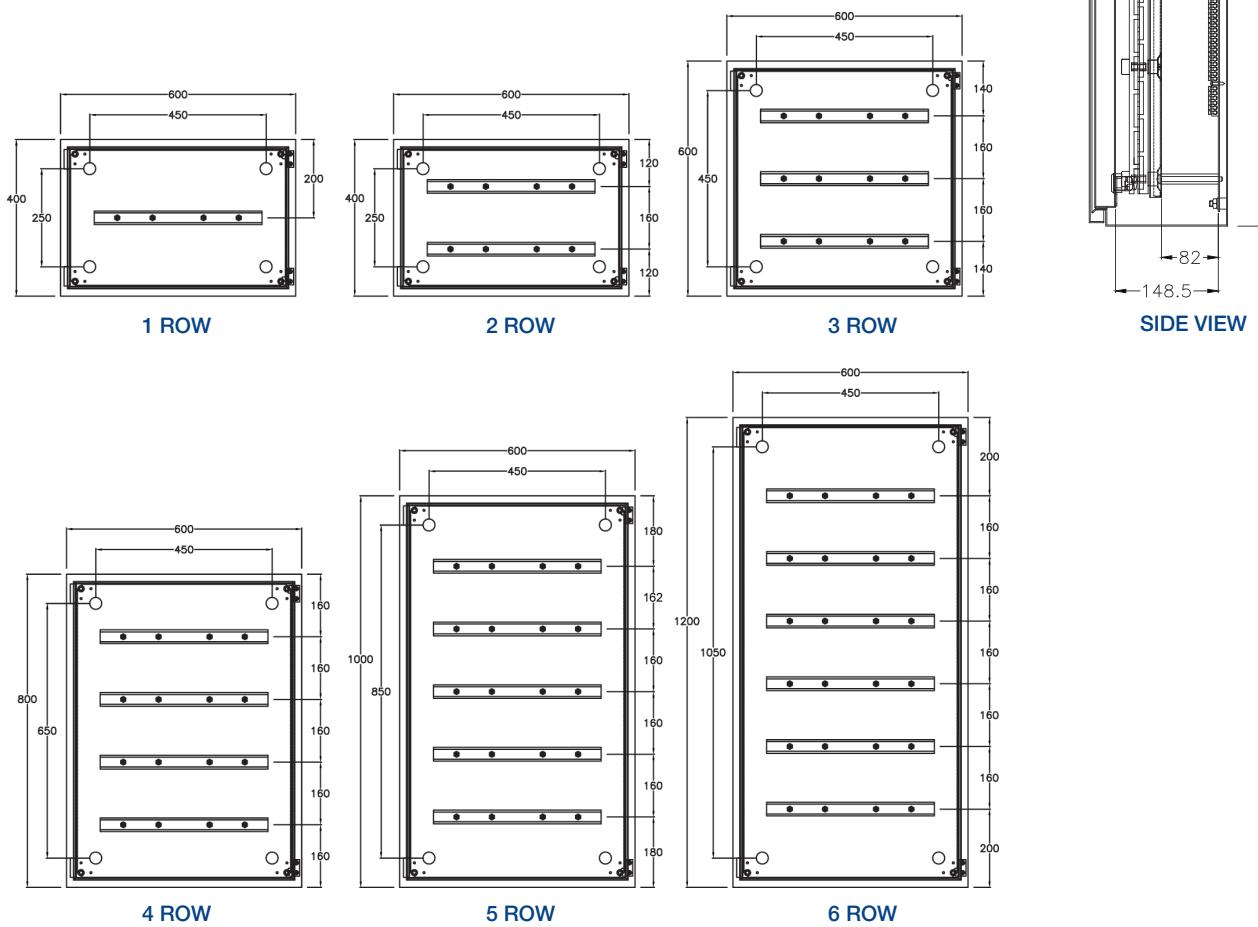
WITH OT250 LOAD BREAK MAINSWITCH WITH EXTRA X RAIL



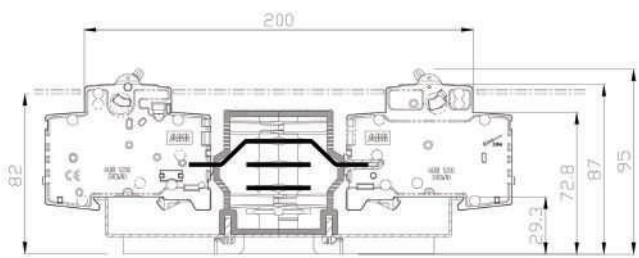
DIMENSIONS



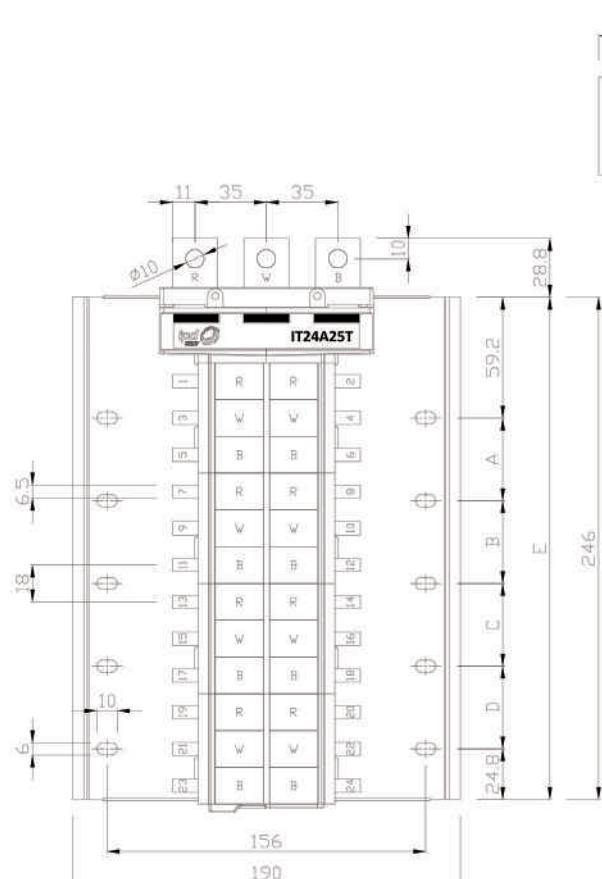
I MULTI-ROW DIN HEADER BOXES



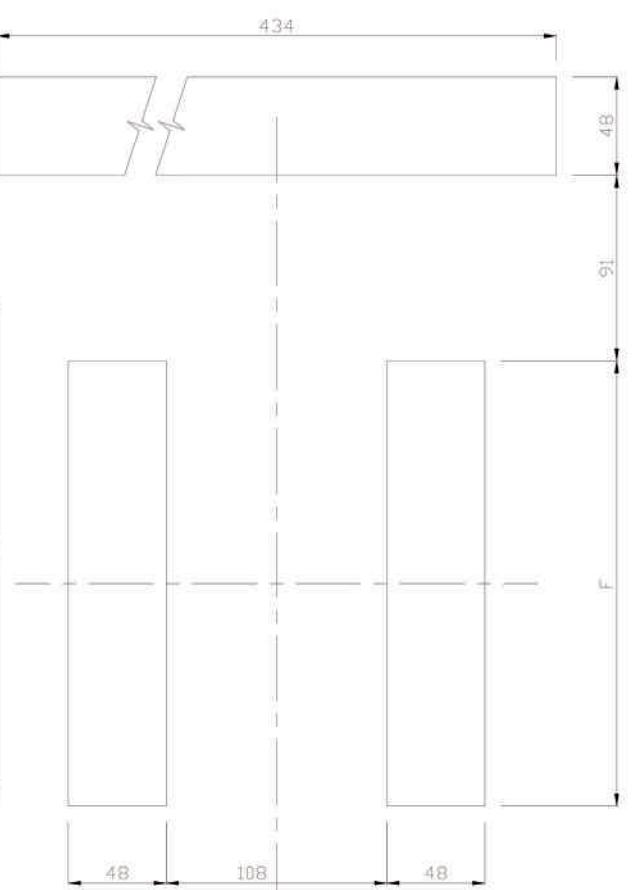
DIMENSIONS



DEPTHS



MOUNTING AND CONNECTION

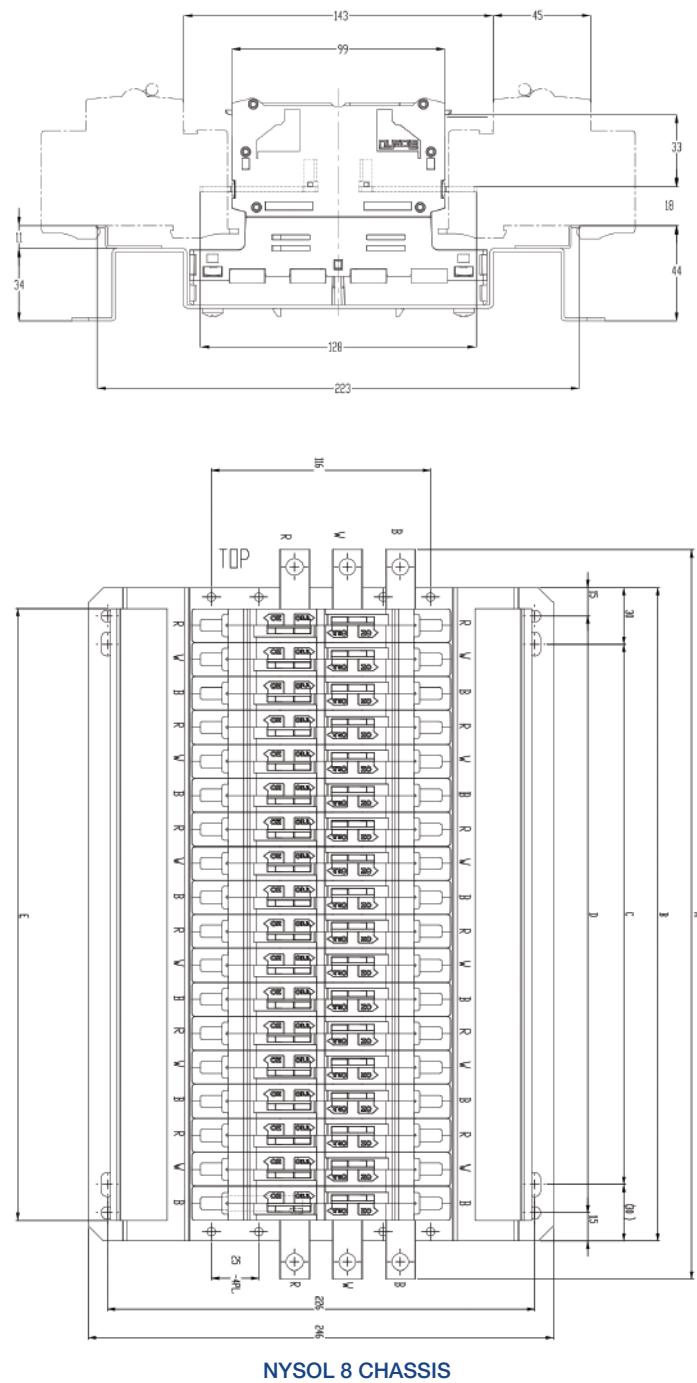


ESCUTCHEON CUTOUTS

Encapsulated Chassis

A	B	C	D	E	F	Part No.
54	N/A	N/A	N/A	138	110	IT12A25T
108	N/A	N/A	N/A	192	164	IT18A25T
162	N/A	N/A	N/A	246	218	IT24A25T
216	N/A	N/A	N/A	300	272	IT30A25T
270	N/A	N/A	N/A	354	326	IT36A25T
324	N/A	N/A	N/A	408	380	IT42A25T
162	216	N/A	N/A	462	434	IT48A25T
216	270	N/A	N/A	570	542	IT60A25T
270	324	N/A	N/A	678	650	IT72A25T
216	216	270	N/A	786	758	IT84A25T
270	270	270	N/A	894	866	IT96A25T
270	324	324	N/A	1002	974	IT108A25T
216	270	270	270	1110	1082	IT120A25T

DIMENSIONS



Dimensions						No. of Poles	Part No.
A	B	C	D	E	F		
170	130	70	100	108	110	12	NY8A12A25U
224	184	124	154	162	164	18	NY8A18A25U
278	238	178	208	216	218	24	NY8A24A25U
386	346	286	316	324	326	36	NY8A36A25U
494	454	394	424	432	434	48	NY8A48A25U
602	562	502	532	540	542	60	NY8A60A25U
710	670	610	640	648	650	72	NY8A72A25U
818	778	718	748	756	758	84	NY8A84A25U
926	886	826	856	864	866	96	NY8A96A25U



DISTRIBUTION BOARD CHECK LIST

Company Name: _____

Project Name: _____

Board Name: _____

Completed by: _____ Date: _____

For the options listed below, if the answer is unknown or the information is not supplied by the end customer, the DB workshop team will assume the default answer marked in **Bold**. When choosing "Other" option, specify detail in answer column.

Category	Design Criteria	Options	Enter Answer Here
Basic Info	IP Rating	43 , 65, 66, other	
	Colour	Grey , Orange, Other	
	Number of poles	24P	
	Main Switch Rating	250A , 125A, Other	
Upstream Feed	Current Rating of Supply	<250A , Other	
	Incoming Cable Size	≤1x95mm² per phase , Other	
	Cable Entry	Top , bottom	
	Main Switch Position	Top , bottom	
	Outgoing cables (circuit >100A)	Top , bottom	
Mechanical Design	Size Restrictions?	No , Yes (specify max dimensions)	
	Enclosure Material	Mild Steel , Stainless Steel	
	Indoor or Outdoor	Indoor , Outdoor	
	Mount	Wall , Floor (including plinth)	
	Plinth Material (Floor Mount only)	Mild Steel , Stainless Steel, Gal Steel, Other	
	Gland Plate Material	Mild Steel , Aluminium, Brass, Other	
	Multi ganged enclosures?	No , Yes	
	Ganged top to bottom or side by side?	Top to bottom , Side by side	
	Cable access between multi-ganged required?	No , Yes	
	Breakdown of circuits for split or multiple chassis supplied?	Yes , No (breakers supplied loose)	
Electrical Control	Is there a specification for control wiring?	No , Yes	
	Control Voltage	240VAC , 24VAC, 24VDC, Other	
	Control Wiring Size	1.5mm² (from 16A MCB) , 2.5mm² (from 20A MCB), Other	
	Is separate control circuit breaker allowed for in quote?	Yes , No (specify which circuit to supply from)	
	Control Schematic Supplied?	Yes , No (equipment fitted only, not wired)	
	Mounting of Power Meters	DIN (ie COUNTIS or DIRIS A10) , Panel Mount (DIRIS A20)	
	CT Ratio for Metering	250/5 , Other (should match upstream supply rating)	
	Mounting of Pushbuttons / Pilot Lights /Selector Switches	DIN , Panel Mount Escutcheon, Panel Mount Door	
	Is there any free-issue equipment?	No , Yes	
	Who is wiring free-issue equipment	IPD , Customer	
	Sufficient Labour allowed in quote for wiring of free-issue equipment?	Yes , No (equipment fitted only, not wired)	
Delivery	Requested Delivery Date	As per workshop schedule , Other	
	Delivery address	As per sales order , Other	
	Site receiving at any time of day?	Yes , Other	
	Special Delivery Requirements (crane truck, flashing light etc)?	No , Other	

EXPERIENCE BETTER

Over 10,000 customers trust us to deliver their solutions

LOCATIONS



End to End Service
Capabilities



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Facility



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Support



Dedicated Training
Facility



National Customer Support Centre

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www.ipd.com.au

