

# Invicta 3 125A TP&N Distribution Boards

A range of Type B TPN Distribution boards with high aesthetics ideal for commercial offices, healthcare and education projects where the boards may be sited in public areas.

Conforming the BS EN 61439-3, the Invicta boards are available with glazed or solid steel doors to suit installation requirements. A wide range of incoming options create a versatile solution. Metering and surge protection options ensure efficient integration in to the buildings electrical supply model. A 250A TP&N board range is also available for higher load applications.



| Description                         | Cat ref.<br>Plain door | Cat ref.<br>Glazed door | Cat ref.<br>Residential<br>Applications | Cat ref.<br>Glazed door<br>3 Pole Switch |
|-------------------------------------|------------------------|-------------------------|-----------------------------------------|------------------------------------------|
| 4 Triple Pole Ways 125A TP&N Board  | JK104B                 | JK104BG                 | JK104BA3                                | JK104BGSD                                |
| 6 Triple Pole Ways 125A TP&N Board  | JK106B                 | JK106BG                 | JK106BA3                                | JK106BGSD                                |
| 8 Triple Pole Ways 125A TP&N Board  | JK108B                 | JK108BG                 | JK108BA3                                | JK108BGSD                                |
| 12 Triple Pole Ways 125A TP&N Board | JK112B                 | JK112BG                 | JK112BA3                                | JK112BGSD                                |
| 16 Triple Pole Ways 125A TP&N Board | JK116B                 | JK116BG                 | JK116BA3                                | JK116BGSD                                |
| 18 Triple Pole Ways 125A TP&N Board | JK118B                 | JK118BG                 | JK118BA3                                | JK118BGSD                                |
| 24 Triple Pole Ways 125A TP&N Board | JK124B                 | JK124BG                 | JK124BA3                                | JK124BGSD                                |

| Incomer Kits for 125A Boards                                                                               | Cat Ref.   |
|------------------------------------------------------------------------------------------------------------|------------|
| 3 Pole 100A Switch Disconnecter Incomer Kit (Fits within distribution board)                               | JK11003S   |
| 4 Pole 100A Switch Disconnecter Incomer Kit (Fits within distribution board)                               | JK11004S   |
| 3 Pole 125A Switch Disconnecter Incomer Kit (Fits within distribution board)                               | JK11253S   |
| 4 Pole 125A Switch Disconnecter Incomer Kit (Fits within distribution board)                               | JK11254S   |
| 4 Pole 63A Contactor Incomer Kit includes Switch Disconnecter (fits below distribution board, 300mm high)  | JK10634C   |
| 4 Pole 100A Contactor Incomer Kit includes Switch Disconnecter (fits below distribution board, 450mm high) | JK11004C   |
| 125A Direct Connection Kit (Fits within distribution board)                                                | JK11254D   |
| 4 Pole 63A 30mA RCCB Incomer Kit (Fits within distribution board)                                          | JK10634RH  |
| 4 Pole 100A 30mA RCCB Incomer Kit (Fits within distribution board)                                         | JK11004RH  |
| 4 Pole 100A 300mA RCCB Incomer Kit (Fits within distribution board)                                        | JK11004RL  |
| 4 Pole 100A 300mA Time Delayed RCCB Incomer Kit (Fits within distribution board)                           | JK11004RLD |
| 4 Pole 100A 100mA RCCB Incomer Kit (Fits within distribution board)                                        | JK11004RM  |
| 4 Pole 100A 100mA Time Delayed RCCB Incomer Kit (Fits within distribution board)                           | JK11004RMD |
| 125A 4 pole Changeover Incomer Kit (Fits within distribution board)                                        | JK11254CO  |

## Features & Benefits

- High aesthetic glazed door option for siting in public areas
- Range of incomer options suitable for a wide range of building applications
- Door locking kit with key for additional security
- Meter and surge protection options to meet application needs.
- Part of a wider range of Distribution boards
- Comprehensive solution for commercial building applications including 250A, Power & Lighting boards and Hybrid Distribution board

### Technical Characteristics

|                              |                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------|
| Standards                    | Designed, manufactured and tested to BS EN 61439-3                                                           |
| Busbar Current Rating        | 125A                                                                                                         |
| Busbar Type                  | Fully shrouded copper                                                                                        |
| Busbar Rating                | 25kA Conditional                                                                                             |
| Incoming                     | 100A Switch<br>125A Switch<br>63A Contactor AC3<br>100A Contactor AC3<br>Direct Connection<br>RCCB Incomers  |
| Outgoing Ways                | 4, 6, 8, 12, 16, 18, 24 Triple pole outgoing ways                                                            |
| Outgoing Protection          | Type B MCB (6A to 63A, 1P & 3P)<br>Type C, D MCB, (0.5A to 63A, 1P & 3P)<br>1Mod and 2Mod RCBO               |
| Voltage Rating in AC         | 230 / 415V                                                                                                   |
| IP Protection                | IP3X to BS EN 60529                                                                                          |
| Enclosure Body Type          | Steel                                                                                                        |
| Enclosure Paint Type         | Powder Coat Grey White BS4800 00A01                                                                          |
| Cable Entry                  | Oround protected cable entry points                                                                          |
| Terminal Connection Capacity |                                                                                                              |
| Incoming Line Terminal       | 50mm <sup>2</sup>                                                                                            |
| Incoming Earth Terminal      | M8 stud                                                                                                      |
| Incoming Neutral Terminal    | 50mm <sup>2</sup> cage or M6 stud                                                                            |
| Outgoing Earth Terminals     | 16mm <sup>2</sup>                                                                                            |
| Outgoing Neutral Terminals   | 16mm <sup>2</sup>                                                                                            |
| Enclosure Earth Stud         | M8                                                                                                           |
| Installation                 |                                                                                                              |
| Mounting                     | 4 x key hole fixing holes plus central top key hole for one fixing hanging / levelling<br>Surface Wall Mount |
| Gland Plate                  | Top and bottom removable                                                                                     |
| Integrated Locking System    | Coin lock as standard, key lock as accessory                                                                 |

### Devices

|                      |               |               |               |               |               |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| MCB 10kA 0.5A to 63A | <b>NBN***</b> | <b>NCN***</b> | <b>NDN***</b> |               |               |
| RCBO 10kA 6A to 45A  | <b>ADB***</b> | <b>ADC***</b> | <b>ADA1**</b> | <b>ACB***</b> | <b>ACC***</b> |

### 125A Primary Boards

|                          | Dimensions (mm) |       |       | Fixing Centres (mm) |     |      |
|--------------------------|-----------------|-------|-------|---------------------|-----|------|
|                          | Height          | Width | Depth | A                   | B   | C    |
| <b>JK104B/BG/BGSD/A3</b> | 500             | 465   | 132.5 | 365                 | 100 | 300  |
| <b>JK106B/BG/BGSD/A3</b> | 550             | 465   | 132.5 | 365                 | 100 | 350  |
| <b>JK108B/BG/BGSD/A3</b> | 625             | 465   | 132.5 | 365                 | 100 | 425  |
| <b>JK112B/BG/BGSD/A3</b> | 850             | 465   | 132.5 | 365                 | 100 | 650  |
| <b>JK116B/BG/BGSD/A3</b> | 950             | 465   | 132.5 | 365                 | 100 | 750  |
| <b>JK118B/BG/BGSD/A3</b> | 1100            | 465   | 132.5 | 365                 | 100 | 900  |
| <b>JK124B/BG/BGSD/A3</b> | 1250            | 465   | 132.5 | 365                 | 100 | 1050 |

