Distribution Boards - 12 & 20 Way

Features
- Aesthetically pleasing board for housing circuit breakers, switch disconnectors and earth leakage units
- Mounting tray, metal or plastic, vertically and horizontally adjustable
- Optional cover flaps available
- Earth and neutral bars provided
- Escutcheon / safety blanks available
- Conduit knockouts provided
- White coloured finish
- Flush mount
  - Choice of 12-way and 20-way, to accommodate 13 Mm width products
  - 12-Way available in steel or plastic
  - 20-Way available in steel or plastic
- Surface mount:
  - 13-Way (CBI Mini Rail)
  - 13-Way available in plastic only
  - Mounting tray with CBI Mini Rail
  - Manufactured from durable engineering plastic

Applications
- Residential
- Commercial

Optional Accessories
- Plastic hinged cover
- Front cover
- Circuit breakers
- Switch disconnectors
- Earth leakage units
- QAT-TRDM timers
- Energy Control Units (ECUs)

Technical Data

<table>
<thead>
<tr>
<th>Distribution Boards</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Type</strong></td>
<td></td>
</tr>
<tr>
<td>20 Way – 20 x 13 mm modules</td>
<td></td>
</tr>
<tr>
<td>12 Way – 12 x 13 mm modules</td>
<td></td>
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<tr>
<td>13-Way – 13 x 13 mm modules</td>
<td></td>
</tr>
<tr>
<td><strong>Conduit Knockouts – 12-Way</strong></td>
<td>3 x 20 mm top and bottom</td>
</tr>
<tr>
<td></td>
<td>2 x 20 mm on both sides</td>
</tr>
<tr>
<td><strong>Conduit Knockouts – 13-Way</strong></td>
<td>4 x 20 mm and 1 x 25 mm top</td>
</tr>
<tr>
<td></td>
<td>3 x 20 mm and 1 x 25 mm bottom</td>
</tr>
<tr>
<td></td>
<td>3 x 20 mm on both sides</td>
</tr>
<tr>
<td><strong>Conduit Knockouts – 20-Way</strong></td>
<td>5 x 20 mm and 1 x 25 mm top and bottom</td>
</tr>
<tr>
<td></td>
<td>2 x 20 mm on both sides</td>
</tr>
</tbody>
</table>
Distribution Boards - 12 & 20 Way

Ordering Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Std. Pack</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 - Way Steel Distribution Board, complete with 1 Plastic Cover and 1 steel Tray (Mini Rail)</td>
<td>1</td>
<td>DBBOX12SP</td>
</tr>
<tr>
<td>12 - Way Steel Distribution Board, complete with 1 Steel Cover and 1 Steel Tray (Mini Rail)</td>
<td>1</td>
<td>3190796</td>
</tr>
<tr>
<td>20 - Way Steel Distribution, complete with 1 plastic cover and 1 Steel tray (Mini Rail)</td>
<td>1</td>
<td>DBBOX20SP</td>
</tr>
<tr>
<td>20 - Way Front Cover (including hinged dust cover)</td>
<td>1</td>
<td>3670107</td>
</tr>
<tr>
<td>20 - Way Steel Distribution Board, complete with Steel cover and 1 Steel tray (Mini Rail)</td>
<td>1</td>
<td>3190795</td>
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</tbody>
</table>

Surface Mount Distribution Boards

<table>
<thead>
<tr>
<th>Description</th>
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<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 - Way Surface Mount Plastic Distribution Board (CBI Mini Rail)</td>
<td>1</td>
<td>NDB-CON001</td>
</tr>
</tbody>
</table>

Circuit Breaker Selection Chart

- QA-N-2(13) (1 pole + neutral combination)
  - Protects against overloads and short circuit faults up to 3 kilo Amps (kA)
  - Typical usage
  - Main switch disconnector
  - Isolate live and neutral

- QA17 – 3 kA EL (Earth Leakage Unit)
  - Protects life and property from electrical shock and fire hazards

- 3 kA MCB (Miniature Circuit Breaker) (Available 5 A – 63 A)
  - Protects against overloads and short circuit faults up to 2.5 kiloAmps (kA)
  - Typical usage
  - Lights
  - Plugs

- QFL SPD (Surge Protective Device)
  - Protects appliances from overvoltage surges e.g. lightning

- QAT-TRDM (Electronic Time Switch)
  - Control lights, pool pumps, geysers etc.
  - Compact size
  - Clips on Mini and DIN rails inside DBs
  - Simple settings of time and programmes
  - Setting intervals: 15 minutes
  - Power failure reserve of up to 24 hours (QAT-TRDM)
  - LCD touch-screen display
  - Programmes can be bypassed
  - Terminals can accommodate up to 16 mm² cable

- Ecolec EC320 (Electronic Kilo-Watt Hour Meter)
  - Measures energy consumption

- QA – 3 kA EL (Earth Leakage Unit)
  - Protects life and property from electrical shock and fire hazards

- ECU (Energy Control Unit)
  - Used for load shedding by controlling non-essential loads (e.g. geyser, underfloor heating)
  - Example: stove = controlling appliance
  - geyser = controlled appliance
  - Maximum controlled load (AC=21 A, MAX 4 kW Geyser)
  - Automatically controls household energy loads during peak periods
Distribution Boards - 12 & 20 Way

Dimensional Drawings: DBBOX12SP

All dimensions in mm [ inch ]
Tolerance ± 0.4 unless otherwise specified
Distribution Boards - 12 & 20 Way

Dimensional Drawing: DBBOX20SP

All dimensions in mm [ inch ]
Tolerance ± 0.4 unless otherwise specified

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