ZL-RTB40-1 Pinouts

**TOP ROW**

<table>
<thead>
<tr>
<th>P1 Connector Pin</th>
<th>25</th>
<th>5</th>
<th>30</th>
<th>10</th>
<th>35</th>
<th>15</th>
<th>40</th>
<th>20</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB1 Terminal</td>
<td>A1, A2</td>
<td>A3, A4</td>
<td>A5, A6</td>
<td>A7, A8</td>
<td>A9, A10</td>
<td>A11, A12</td>
<td>A13, A14</td>
<td>A15, A16</td>
</tr>
</tbody>
</table>

**MIDDLE ROW**

<table>
<thead>
<tr>
<th>P1 Connector Pin</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB1 Terminal</td>
<td>B1</td>
<td>B2</td>
<td>B3</td>
<td>B4</td>
<td>B5</td>
<td>B6</td>
<td>B7</td>
<td>B8</td>
<td>B9</td>
<td>B10</td>
<td>B11</td>
<td>B12</td>
<td>B13</td>
<td>B14</td>
<td>B15</td>
<td>B16</td>
</tr>
</tbody>
</table>

**BOTTOM ROW**

<table>
<thead>
<tr>
<th>P1 Connector Pin</th>
<th>21</th>
<th>22</th>
<th>23</th>
<th>24</th>
<th>26</th>
<th>27</th>
<th>28</th>
<th>29</th>
<th>31</th>
<th>32</th>
<th>33</th>
<th>34</th>
<th>36</th>
<th>37</th>
<th>38</th>
<th>39</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB1 Terminal</td>
<td>C1</td>
<td>C2</td>
<td>C3</td>
<td>C4</td>
<td>C5</td>
<td>C6</td>
<td>C7</td>
<td>C8</td>
<td>C9</td>
<td>C10</td>
<td>C11</td>
<td>C12</td>
<td>C13</td>
<td>C14</td>
<td>C15</td>
<td>C16</td>
</tr>
</tbody>
</table>

**ZL-RTB40-1 Specifications**

- **Description**: 40-Pole Feedthrough Connector Module
- **Maximum Voltage**: 36VAC/VDC
- **UL Voltage Rating**: 0–30 VAC/VDC
- **Maximum Current per Circuit**: 50mA
- **Maximum Current Module**: 32A (all conductors combined including commons)
- **Number of Terminal Block Positions**: 48
- **Operating Temperature Range**: 32 to 140°F (0 to 60°C)
- **Terminal Block Contacts**: Copper alloy, tin-lead plated
- **Wire Range (Rated Cross Section)**: 12–24 AWG Solid or Stranded Copper Conductor (2.5 mm²)
- **Wire Strip Length**: 0.24–0.27 in (6–7 mm)
- **Screw Torque**: 4.4 in-lbs (0.5 Nm)
- **Connector Type**: 3M 34000 Series IDC Connector, strain relief is required to latch header. Example: Socket 3417-7640, Strain relief 3448-3040
- **Cable/Wire Clearance**: 0.5 in (12.7 mm) Required
- **Mounting Restrictions**: None
- **Weight**: 206g (7.3 oz)
- **Approvals**: UL508 File E139594, Canada & USA, CE (EN61131-2*)

*Connecting cables are for internal wiring only.

**Use Class 2 power supply. Use conductors rated 60°/75°C.**

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**Typical Internal Circuit**

- **Cable Pin**
- **Terminal Block**

**Terminal Block Insertion Point Opening Dimension**

- 0.098” [2.5 mm]
- 0.114” [2.9 mm]
**WARNING:** To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at 770-844-4200.

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**Apply ZIPLink Labels**
(Supplied with ZIPLink cables)

1. Find correct label and remove from sheet.

2. Apply label to designated position.

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**DIN Rail Installation and Removal**

To install ZIPLink module, insert upper tab into DIN rail.

To remove ZIPLink module, insert screwdriver between Tab 1 and module.

Rotate until firmly seated and locked on DIN rail.

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**ZIPLink Cable Removal**

1. Pull connector from socket.

2. Push tab on raised tip and hold.

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**Clearance Requirements**

Apply label to designated position:

- Upper
- Middle
- Lower

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**Part Number**  | **Revision**  | **Date**
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