Features enclosure and pcb:

- milled **cab rail enclosure** (4 modules)
- for EN50022 DIN rails
- Optional Integrated **5V/1,7A voltage regulator** (Vin 9...35V DC)
- Integrated **prototyping area**
- 3x 2-pin terminal blocks for prototyping
- Marked and connected GPIO & power pins beside the proto area
- 1x 2-pin terminal block for power supply
- For **Raspberry Pi Pico** only
- removable protections for terminals
- Opening for micro USB socket on top side
- Available with transparent lid, grey lid or lid for OLED
Enclosure:
- Outside dimensions: 70mm x 65mm x 90mm (W x H x L)
- Breadboard area: 41mm x 59mm (W x H)
- Material: PS
- Finish top shell: light grey
- Finish bottom shell: light grey

Features optional voltage regulator:
- Input voltage: 9 – 35V DC
- Output voltage: 5V / 1.7A DC

Applications:
- Home automation
- Industrial control
- Door access and door control
- Temperature controls
- Education
- Internet of Things (IoT)
- Industry 4.0
- Data acquisition
- Gateways

Compatibility:
- For Raspberry Pi Pico
Features main board:

1. Terminals power supply
2. Header for Raspberry Pi Pico
3. marked GPIO pins beside proto board
4. voltage regulator
5. Breadboard / proto board area
6. Terminals for proto board
7. Power pins (5V, 3.3V, GND) for proto board
## Part number table:

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>Version</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>RBXPCOB</td>
<td>Basic</td>
<td>- transparent lid</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- without parts for voltage regulator</td>
</tr>
<tr>
<td>RBXPCOS</td>
<td>Standard</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>- including voltage regulator parts</td>
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<td>RBXPCOGB</td>
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<tr>
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<tr>
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</tr>
</tbody>
</table>

grey lid

transparent lid

for OLED
Different ways for power supply of RasPiBox Pico:

1.) Via the Micro-USB socket of the Raspberry Pi Pico

![Image of power supply via Micro-USB](image1)

2.) Via the terminal K4 (5V DC) for **basic version** only:

   ![Image of Bridge Jumper J1](image2)

   Note: J1 will connect K1 directly with the internal 5V of the Pi Pico

3.) Via the terminal K4 (9...35V DC) for **standard version** only:

   ![Image of power supply via K4 terminal](image3)

   Note: With assembled voltage regulator only. Leave J1 open in this case!