## Regenerative unit

### RGU-2 basic specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>RGU-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>X0-M4107-20 (including cable supplied with unit)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W40 × H250 × D157mm</td>
</tr>
<tr>
<td>Weight</td>
<td>0.9kg</td>
</tr>
<tr>
<td>Regenerative voltage</td>
<td>Approx. 380V or more</td>
</tr>
<tr>
<td>Regenerative stop voltage</td>
<td>Approx. 360V or less</td>
</tr>
<tr>
<td>Accessory</td>
<td>Cable for connection with controller (300mm)</td>
</tr>
</tbody>
</table>

*Note: Always leave an empty space (gap of about 20mm) between the unit and the adjacent controller. Also, always use the dedicated cable when connecting the controller.*

### RGU-3 basic specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>RGU-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>X0-M4107-30 (including cable supplied with unit)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>W62 × H250 × D242.5mm</td>
</tr>
<tr>
<td>Weight</td>
<td>3.7kg</td>
</tr>
<tr>
<td>Regenerative voltage</td>
<td>Approx. 380V or more</td>
</tr>
<tr>
<td>Regenerative stop voltage</td>
<td>Approx. 360V or less</td>
</tr>
<tr>
<td>Accessory</td>
<td>Cable for connection with controller (300mm)</td>
</tr>
</tbody>
</table>

*Note: Cannot be installed as a separate unit.*

### Example of input signal connection

#### NPN specification

- DC24V (P.COM DI)
- GND (N.COM DI)
- DI01
- DI12
- DI17
- External power supply
- Controller side

#### PNP specification

- DC24V (P.COM DI)
- GND (N.COM DI)
- DI10
- DI20
- DI21
- DI22
- DI37
- DI36
- DI11
- DI23
- DI38
- DI39
- Controller side

### Example of output signal connection

#### NPN specification

- COMMON
- DO01a
- DO02a
- DO03a
- DO01b
- DO02b
- DO03b
- DO10
- DO14
- Controller side

#### PNP specification

- COMMON
- DO01a
- DO02a
- DO03a
- DO01b
- DO02b
- DO03b
- DO10
- DO14
- Controller side

### Emergency input signal connections

#### Connection when using the standard RPB with an external emergency stop circuit.

- Emergency stop switch
- RPB
- Motor power relay coil
- Motor power supply circuit
- Control power supply circuit

*Use the external circuit for controlling.*

#### Connections using the RPB-E enabling switch compatible programming unit with external emergency stop circuit (PNP specification)

- Emergency stop switch
- RPB-E
- Motor power relay coil
- Motor power supply circuit
- Control power supply circuit

*Use the external circuit for controlling.*

Installing an external safety circuit will satisfy safety category class 4 standards. See P.485 for more information.