## Ordering method

<table>
<thead>
<tr>
<th>F8</th>
<th>Linear conveyor modules</th>
<th>LCM100</th>
<th>Compact single-axis robots</th>
<th>TRANSERVO Motor-less single-axis robots</th>
<th>Phaser Cartesian robots</th>
<th>XY-X SCARA robots</th>
<th>YK-X Pick &amp; place robots</th>
</tr>
</thead>
<tbody>
<tr>
<td>YA</td>
<td>Linear screw-bracket module</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Note
1. The model with a lead of 20mm cannot select specifications with brake (vertical specifications).
2. The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable.
4. Select this setting when using the gateway function. For details, see P.66.

### Specifications

<table>
<thead>
<tr>
<th>AC servo motor output (W)</th>
<th>Repeatability [%]</th>
<th>Linear conveyor mechanism</th>
<th>Ball screw lead (mm)</th>
<th>Maximum speed (mm/sec)</th>
<th>Rated thrust (N)</th>
<th>Maximum dimensions of cross-section of main unit (mm)</th>
<th>CABLE</th>
<th>Resolution (Pulse/rotation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>0.02</td>
<td>Ball screw 312</td>
<td>20</td>
<td>120</td>
<td>1000</td>
<td>800 x 800 x 800</td>
<td>W80 x H85</td>
<td>16384</td>
</tr>
</tbody>
</table>

### Note
- Positioning repeatability in one direction.
- The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable.
- When the stroke is longer than 550mm, resonance of the ball screw may occur depending on the operation conditions (critical speed). In this case, reduce the speed setting on the program by referring to the maximum speeds shown in the table above.

### Allowable overhang

<table>
<thead>
<tr>
<th>Horizontal installation</th>
<th>Wall installation</th>
<th>Vertical installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Unit: mm)</td>
<td>(Unit: mm)</td>
<td>(Unit: mm)</td>
</tr>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
<tr>
<td>10kg</td>
<td>12kg</td>
<td>15kg</td>
</tr>
<tr>
<td>5kg</td>
<td>7kg</td>
<td>9kg</td>
</tr>
<tr>
<td>1kg</td>
<td>2kg</td>
<td>3kg</td>
</tr>
</tbody>
</table>

### Static loading moment

<table>
<thead>
<tr>
<th>MY</th>
<th>MP</th>
<th>MR</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>95</td>
<td>110</td>
</tr>
</tbody>
</table>

### Controller

<table>
<thead>
<tr>
<th>SR1-X</th>
<th>TS-X</th>
<th>RDV-X</th>
</tr>
</thead>
<tbody>
<tr>
<td>540</td>
<td>514</td>
<td>528</td>
</tr>
</tbody>
</table>

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**Note**
- The model with a lead of 20mm cannot select specifications with brake (vertical specifications).
- The robot cable is standard cable (3L/5L/10L), but can be changed to flexible cable.
- Select this setting when using the gateway function. For details, see P.66.

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**Specifications**

- AC servo motor output (W): 100
- Repeatability [%]: 0.02
- Linear conveyor mechanism: Ball screw 312
- Ball screw lead (mm): 20
- Maximum speed (mm/sec): 120
- Rated thrust (N): 1000
- Maximum dimensions of cross-section of main unit (mm): 800 x 800 x 800
- CABLE: W80 x H85
- Resolution (Pulse/rotation): 16384

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**Allowable overhang**

- Horizontal installation
- Wall installation
- Vertical installation

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**Static loading moment**

- MY: 70
- MP: 95
- MR: 110

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**Controller**

- SR1-X: 540
- TS-X: 514
- RDV-X: 528

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