A great colleague to work hand in hand with

Small, slim & strong.

- Fast return on investment
- Stop at contact for a safe human-robot collaboration
- Easy programming thanks to hand guidance for teaching and handling
- 911mm reach for maximum utilisation of working areas
- Space-saving installation due to slim profile
- 14 kg payload for a variety of applications

Equipped with a wide reach and slim profile, the collaborative robot CR-14iA/L can be used in narrow space applications as well as in applications calling for heavier payloads. Safety-certified, all-round protection eliminates the need for safety fences. Combining FANUC proven technology, high reliability and a standard interface for quick setups, this industrial cobot can be used for instance to load and unload machines.
## CR-14iA/L

### Controlled axes

<table>
<thead>
<tr>
<th>Repeatability [mm]</th>
<th>Mechanical weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>± 0.01*</td>
<td>55</td>
</tr>
</tbody>
</table>

### Motion range [°]

<table>
<thead>
<tr>
<th>J1</th>
<th>J2</th>
<th>J3</th>
<th>J4</th>
<th>J5</th>
<th>J6</th>
</tr>
</thead>
<tbody>
<tr>
<td>340</td>
<td>166</td>
<td>383</td>
<td>380</td>
<td>240</td>
<td>720</td>
</tr>
</tbody>
</table>

### Maximum speed [°/s]

<table>
<thead>
<tr>
<th>J1</th>
<th>J2</th>
<th>J3</th>
<th>J4</th>
<th>J5</th>
<th>J6</th>
</tr>
</thead>
<tbody>
<tr>
<td>500*2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Maximum speed [°/s]

<table>
<thead>
<tr>
<th>J4 Moment/Inertia [Nm/kgm²]</th>
<th>J5 Moment/Inertia [Nm/kgm²]</th>
<th>J6 Moment/Inertia [Nm/kgm²]</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.0/0.66</td>
<td>31.0/0.66</td>
<td>13.4/0.30</td>
</tr>
</tbody>
</table>

### Technical Information

- **Max. load capacity**: 14 kg
- **Max. reach**: 911 mm *1

- **Robot footprint**: 296.5 x 235 mm
- **Mounting positions**:
  - Floor
  - Upside down
  - Wall *3

- **Controller**:
  - R-30iB Plus
    - Open air cabinet
    - Mate cabinet
    - A-cabinet
    - B-cabinet
    - Pendant Touch

### Electrical connections

- **Voltage**
  - 3-phase [V]: 50/60Hz
  - 1-phase [V]: 50/60Hz
- **Average power consumption [kW]**: 0.5

### Integrated services

- **Integrated signals on upper arm**: In/Out
- **Integrated air supply**: 6/2

### Environment

- **Acoustic noise level [dB]**: 64.7
- **Ambient temperature [°C]**: 0-45

### Protection

- **Body**: Standard/optional
- **Wrist & J3 arm**: Standard/optional

### Notes

- *1)* 911 mm (load capacity <12kg) - 820 mm (load capacity >12kg)
- *2)* Max. cartesian speed 500mm/s. During short distance motions, the speed may not reach the maximum value stated.
- *3)* NRTL type is not supported yet.

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