**KR 270 R3100 ultra K-F**

**Controller**
- Controller: KR C4

**Teach pendant**
- Teach pendant: KUKA smartPAD

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### Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum reach</td>
<td>3101 mm</td>
</tr>
<tr>
<td>Rated payload</td>
<td>270 kg</td>
</tr>
<tr>
<td>Rated supplementary load, rotating column / link arm / arm</td>
<td>0 kg / 0 kg / 50 kg</td>
</tr>
<tr>
<td>Rated total load</td>
<td>320 kg</td>
</tr>
<tr>
<td>Pose repeatability (ISO 9283)</td>
<td>± 0.06 mm</td>
</tr>
<tr>
<td>Number of axes</td>
<td>6</td>
</tr>
<tr>
<td>Mounting position</td>
<td>Floor</td>
</tr>
<tr>
<td>Footprint</td>
<td>830 mm x 830 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 1198 kg</td>
</tr>
</tbody>
</table>

### Axis data

**Motion range**
- A1: ±185 °
- A2: -120 ° / 70 °
- A3: -120 ° / 155 °
- A4: ±350 °
- A5: ±122.5 °
- A6: ±350 °

**Speed with rated payload**
- A1: 105 °/s
- A2: 101 °/s
- A3: 107 °/s
- A4: 122 °/s
- A5: 113 °/s
- A6: 175 °/s

### Operating conditions

- Ambient temperature during operation: 10 °C to 55 °C (283 K to 328 K)

### Protection rating
- Protection rating (IEC 60529): IP65
- Protection rating, in-line wrist (IEC 60529): IP67

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The extent of goods delivered and services performed is determined by the subject matter of the specific contract. No liability accepted for errors or omissions.

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