KR 6 R900-2

Technical data
- Maximum reach: 901 mm
- Maximum payload: 6.7 kg
- Pose repeatability (ISO 9283): ± 0.02 mm
- Number of axes: 6
- Mounting position: Floor; Ceiling; Wall; Desired angle
- Footprint: 208 mm x 208 mm
- Weight: approx. 55 kg

Axis data
- Motion range:
  - A1: ±170 °
  - A2: -190 ° / 45 °
  - A3: -120 ° / 156 °
  - A4: ±185 °
  - A5: ±120 °
  - A6: ±350 °

Operating conditions
- Ambient temperature during operation: 0 °C to 45 °C (273 K to 318 K)

Protection rating
- Protection rating (IEC 60529): IP65 / IP67
- Protection rating, robot wrist (IEC 60529): IP65 / IP67

Controller
- Controller: KR C5 micro; KR C4 compact

Certificates
- ESD requirements: IEC61340-5-1; ANSI/ESD S20.20

Cycle time
- 150 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)

The KR 6 R900-2 is designed for a rated payload of 3 kg in order to optimize the dynamic performance of the robot. The maximum payload of 6.7 kg applies only if the position of the center of mass is 0 mm and a supplementary load optimized for the load case is mounted. The specific load case must be verified using KUKA Load or KUKA Compose. For further consultation, please contact KUKA Support.