KR 6 R700-2

Technical data

Maximum reach: 726 mm
Maximum payload: 6.8 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. 53 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

138 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)

The KR 6 R700-2 is designed for a rated payload of 3 kg in order to optimize the dynamic performance of the robot. The maximum payload of 6.8 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.

Mounting flange

Details provided about the properties and usability of the products are purely for information purposes and do not constitute a guarantee of these characteristics. 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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