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KR 6 R700 CR



Technical data

| Maximum reach | 706.7 mm |
|-------------------------------|-----------------|
| Maximum payload | 6 kg |
| Pose repeatability (ISO 9283) | ± 0.03 mm |
| Number of axes | 6 |
| Mounting position | Floor; |
| | Ceiling; |
| | Wall; |
| | Desired angle |
| Footprint | 320 mm x 320 mm |
| Weight | approx. 50 kg |
| | |

Axis data

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

Operating conditions

Ambient temperature during opera- $\,$ 5 °C to 45 °C (278 K to 318 K) tion

Protection rating

| Protection rating (IEC 60529) | IP54 |
|-------------------------------------|------|
| Protection rating, robot wrist (IEC | IP54 |
| 60529) | |

Controller

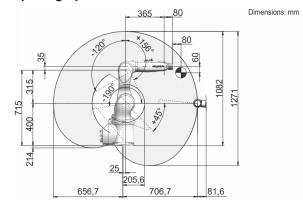
| Controller | KR C5 micro; |
|------------|---------------|
| | KR C4 compact |

Cycle time

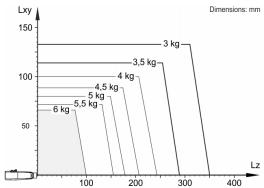
138 cycles per minute (25 mm / 305 mm / 25 mm, 1 kg)



Workspace graphic

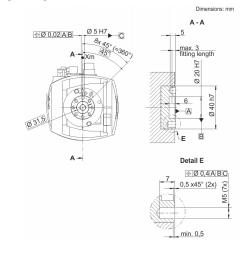


Payload diagram



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



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