

KR 16 R1610-2



Technical data

| Maximum reach | 1612 mm |
|---|-----------------------------|
| Rated payload | 16 kg |
| Maximum payload | 20 kg |
| Maximum supplementary load, rotat- ing column / link arm / arm | 20 kg / 15 kg / 15 kg |
| Pose repeatability (ISO 9283) | ± 0.04 mm |
| Number of axes | 6 |
| Mounting position | Floor; Ceiling; Wall; |
| | Desired angle |
| Footprint | 430.5 mm x 370 mm |
| Weight | approx. 255 kg |

Axis data

| Motion range | |
|--------------------------|----------------|
| A1 | ±185 ° |
| A2 | -185 ° / 65 ° |
| A3 | -138 ° / 175 ° |
| A4 | ±350 ° |
| A5 | ±130 ° |
| A6 | ±350 ° |
| Speed with rated payload | |
| A1 | 200 °/s |
| A2 | 175 °/s |
| A3 | 190 °/s |
| A4 | 430 °/s |
| A5 | 430 °/s |
| A6 | 630 °/s |

Operating conditions

| Ambient temperature during opera- | 5 °C to 55 °C (278 K to 328 K) |
|-----------------------------------|--------------------------------|
| tion | |

Protection rating

| Protection rating (IEC 60529) | IP65 |
|--|------|
| Protection rating, robot wrist (IEC 60529) | IP65 |
| | |

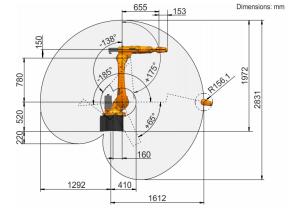
Controller

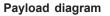
Controller

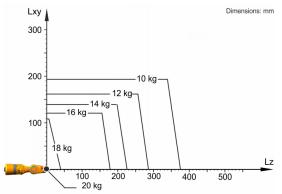
Certificates

ESD requirements

Workspace graphic

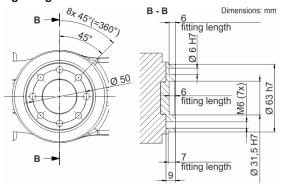






The KR 16 R1610-2 is designed for a rated payload of 16 kg in order to optimize the dynamic performance of the robot. The maximum payload of 20 kg applies only if the position of the center of mass is 0 mm and a supplementary load optimized for the load case is mounted. The specific load case must be verified using KUKA.Load or KUKA Compose. For further consultation, please contact KUKA Support.

Mounting flange



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KR C4

IEC61340-5-1; ANSI/ESD S20.20

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