

TQ 352704.0100 Robot Housing KPL Instructions

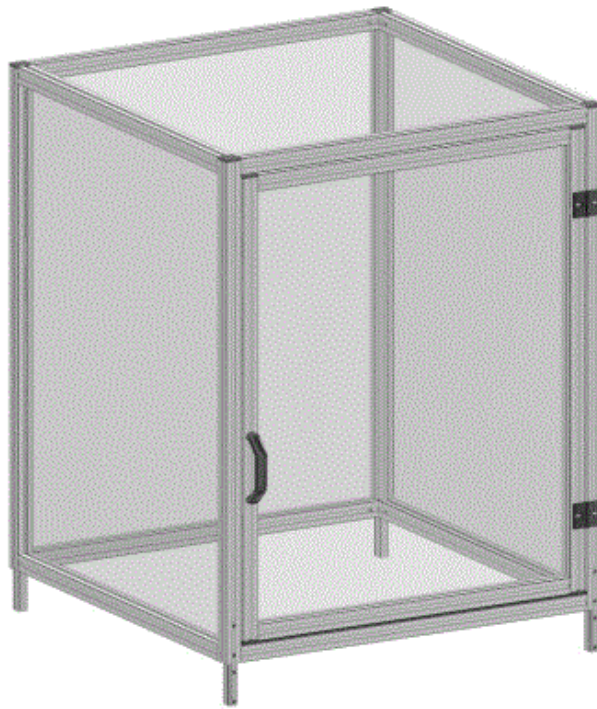
[Home](#) » [TQ](#) » TQ 352704.0100 Robot Housing KPL Instructions 

Contents

- 1 TQ 352704.0100 Robot Housing KPL
- 2 Product Information
- 3 Product Usage Instructions
- 4 Scope of delivery
- 5 Symbols
- 6 Intended use
- 7 Safety Instructions
- 8 Assembly
- 9 Control and Maintenance
- 10 Disposal
- 11 Warranty
- 12 Technical data
- 13 Documents / Resources
 - 13.1 References



TQ 352704.0100 Robot Housing KPL



Product Information

The TQ Robot Housing KPL is a protective device designed to be mounted on the TQ robot frame 1000X1000. It consists of a combination of fixed, separating protective devices (protective panes) and a movable separating protective device (protective door). The material number for this product is 352704.0100.

Product Usage Instructions

- **Scope of Delivery:**

The package includes 1x fully assembled TQ robot housing KPL. The assembly material required for attaching the TQ robot housing KPL is also included.

- **Symbols:**

Refer to the instruction manual/booklet for general warning signs, general mandatory action signs, and other symbols used in the manual.

- **Intended Use:**

The TQ robot housing KPL is intended to be integrated into an overall system by the system integrator/operator. It should be mounted on the TQ robot frame 1000X1000 and used as a protective device. The system integrator/operator is responsible for conducting a risk assessment of the complete machine, using suitable safety functions and protective devices, and ensuring the overall security system's validation. The operating instructions for the entire system should also be created.

- **Safety Instructions:**

Prior to handling the protective device, it is important to read and understand the content of the Product Information. Comply with all instructions and notes provided.

- **Assembly:**

When assembling the TQ robot housing KPL, ensure that the protective device is properly fastened. The mounting surface should be level, and it is essential to follow the manufacturer's documentation for the Franka Production 3 robot (Franka Emika).

- **Improper Use:**

Any applications deviating from the intended use are considered improper use. This includes using the product

outdoors, operating it outside the permissible technical operating limits, using it in potentially explosive environments, ignoring safety instructions, operating a faulty machine, or making unauthorized conversions or modifications.

The TQ robot housing KPL is a protective device consisting of a combination of fixed, separating protective devices (protective panes) with a movable separating protective device (protective door), for mounting on the TQ robot frame 1000X1000. **Material number:** 352704.0100
Follow these instructions for correct and safe operation.

Scope of delivery

- 1x TQ robot housing KPL (fully assembled) The assembly material for attaching the TQ robot housing KPL is included in the scope of delivery.

Symbols



- General warning sign
- General mandatory action sign
- Refer to the instruction manual /booklet

Lists

1. Numbering (The consecutive numbering defines the sequence of the instructions given.)

Reference

Intended use

The TQ robot housing KPL is a protective device consisting of a combination of fixed, separating protective devices (protective panes) with a movable separating protective device (protective door), for mounting on the TQ robot frame 1000X1000.

The system integrator/operator integrates the TQ robot housing KPL into the overall system in a safe manner. The system integrator/operator is responsible for the following tasks:

- Mounted on the TQ robot frame 1000X1000
- Carrying out the risk assessment of the complete machine
- Use of the necessary and suitable safety functions and protective devices.
- The protective device must be designed as a locked separating protective device (with tumbler). The connected components are in the
- Integrate (safety) controller

- Validation of the overall security system. In order to achieve the respective performance level of the required safety functions, a separate consideration is necessary for each safety function.
- Issuing the declaration of conformity for the entire system
- Creation of the operating instructions for the entire system

Required Performance Level (PLr) = d.

NOTE

The product is used as part of a higher-level overall system.

Project planning, assembly, and commissioning exclusively by authorized specialist personnel with the following knowledge:

- Knowledge of the applicable regulations on occupational safety and accident prevention

All applications deviating from the intended use are regarded as improper use.

These include, for example:

- Do not use outdoors
- Use outside the permissible technical operating limits
- Do not use in potentially-explosive environments
- Do not ignore safety instructions
- Operation after unauthorized conversions or modifications
- Do not operate a faulty machine

Safety Instructions

NOTE

Prior to handling protective device (assembly, use, control) , you must have read and understood the content of this Product information.

- Comply with instructions and notes

NOTE

Assembly and commissioning only by authorized specialist personnel who have special knowledge of how to use the product.

Assembly

NOTE

Device damage due to incorrect installation/attachment and unsuitable environmental conditions.

Prerequisites:

- The protective device must be properly fastened.
- Make sure the mounting surface is level

- Observe the manufacturer's documentation for the Franka Production 3 robot (Franka Emika GmbH).
- The robot Franka Production 3 (Franka Emika GmbH) must not be live during assembly.

NOTE

Do not use any sharp or pointed objects to open the packaging.

1. Remove packaging
2. Check that the delivery is complete and undamaged, otherwise contact the manufacturer.

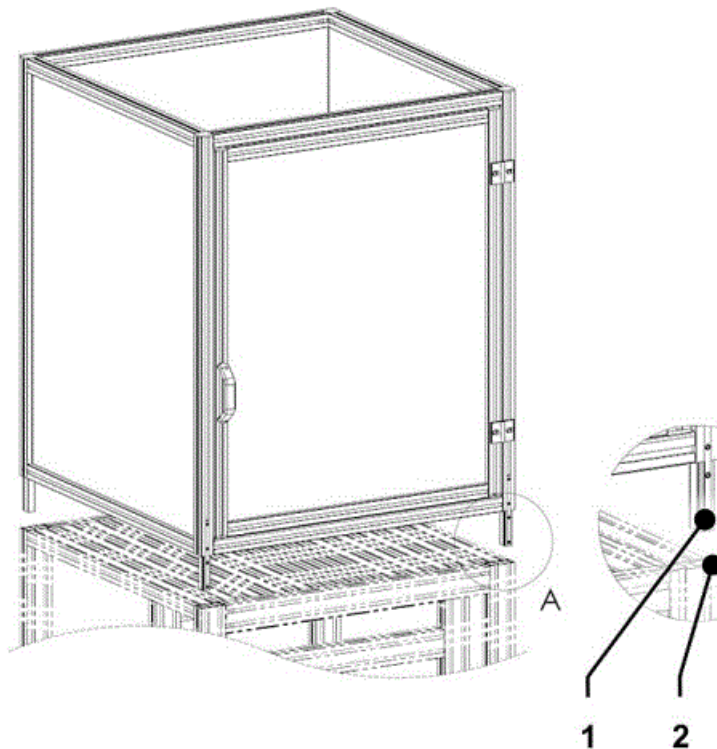
Impressum

NOTE

Tighten the screws with a tightening torque of 23 Nm.

Required tool:

- Allen key SW4



3. Slightly loosen the threaded pins [1] on the profile extension (8 pieces).
4. the protective device fully inserts with the profile extensions into the corner profiles [2] of the TQ robot frame 1000X1000.
5. Tighten the grub screws.
⇒ Assembly of the protective device completed

Control and Maintenance

NOTE

In case of damage or wear, the entire product must be replaced.

The following checks are required to ensure trouble-free and permanent function:

- Clean only with a dry, lint-free cloth
- Secure fastening of all components
- Retighten all connections after 100 hours of operation with the specified tightening torque.

- damage

Disposal

Dispose of the disassembled components, packaging, operating materials, etc. in accordance with the applicable provisions and, to the extent possible, recycle them.

- Dispose of cardboard packaging material as waste paper in the local waste disposal system.
- Dispose of plastic films and packaging in accordance with the national laws and regulations.
- Collect all materials used for protective device operation as per the manufacturer's product information and separate, dispose of, or recycle accordingly.

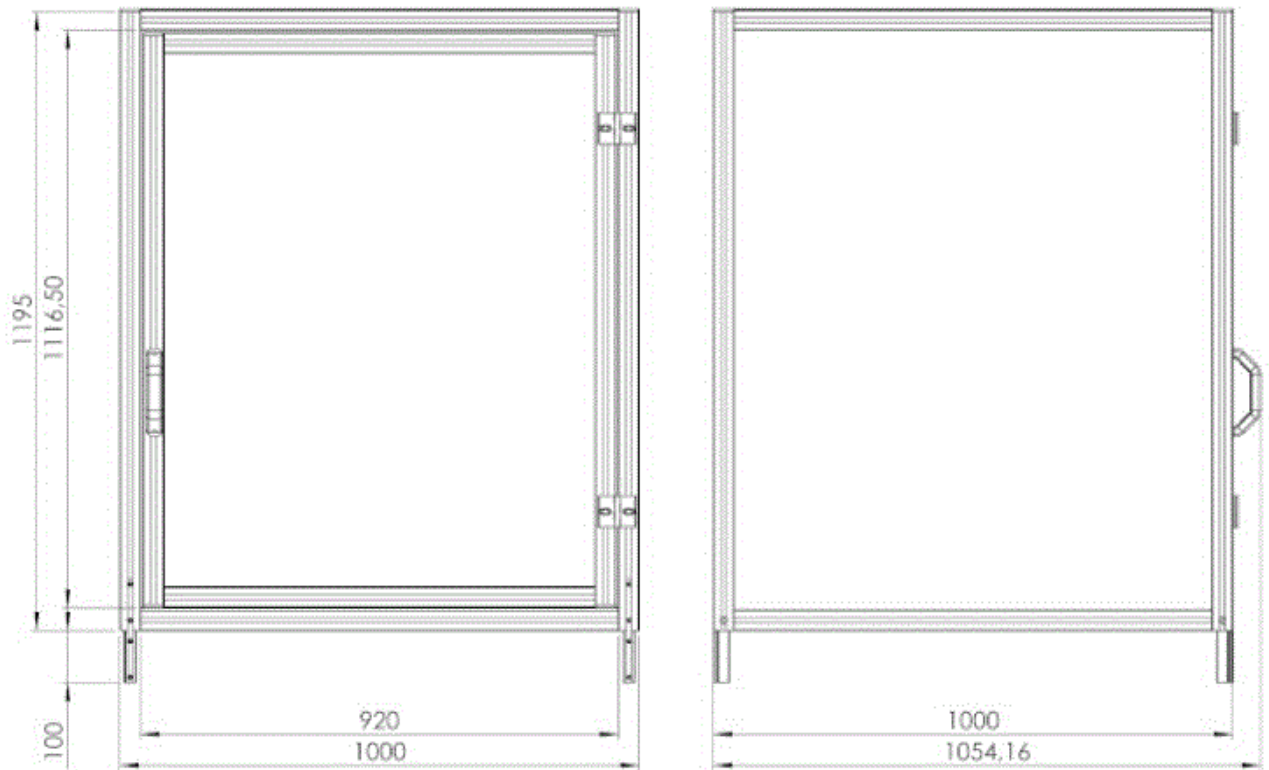
Dispose of all waste properly and in accordance with the

- Emissions Control Act,
- Waste Disposal Act,
- and the Water Resources Act. Supplementary, higher-level, company-internal, or regional provisions may apply.

Warranty

If the above Conditions for the intended use are not met or if the safety instructions are not followed or if any maintenance work is not carried out as required, this leads to an exclusion of liability and the loss of the warranty.

Technical data



Parameter	Value
Material	Frame: aluminium Window panes: PMMA antistatic
Environmental temperature	+5 °C - + 45 °C
Air humidity	20 bis 85% rel.
Dimensions	1000 x 1060 x 1195 mm
Weight	Approx. 45,5 g



We declare CE conformity according to 2006/42/EG (Machinery Directive).

APPENDIX V

A non-exhaustive list of safety components is referred to in Article 2(c).

7. Separating and non-separating protective devices to protect people from moving parts that are directly involved in the work process.

Imprint:

TQ-Systems GmbH | TQ-Robotics
Gut Delling
Mühlstraße 2
82229 Seefeld
Germany
P. +49 (0) 8153 9308-0
F. +49 (0) 8153 4223
www.tq-group.com
E-Mail: info@tq-group.com
District court Munich, HRB 105018
© V 1.0 | 07/2023 | ENG
Document: PI_352704.0100


Copyright note

(according to DIN ISO 16016:2007-12):

The dissemination and reproduction of this document as well as the exploitation and communication of its content is not permitted unless explicitly authorised. Infringements shall result in an obligation to provide compensation for damages. All rights are reserved in the event of a patent being granted or a utility model or design being registered.

Copyright © TQ-Systems GmbH

Documents / Resources

	<p>TQ 352704.0100 Robot Housing KPL [pdf] Instructions 352704.0100 Robot Housing KPL, 352704.0100, Robot Housing KPL, Housing KPL, KPL</p>
---	--

References

- [G Group Publishing](#)
- [TQ Electronic products & electronic services | TQ](#)