



AX Portal Error Code / Message List

Original instructions

© Seiko Epson Corporation 2026

Rev.2
ENM268S9137M

Table of Contents

1. FOREWORD 3

1.1 Introduction 4

1.2 Trademarks 4

1.3 Terms of Use 4

1.4 Manufacturer 4

1.5 CONTACT INFORMATION 4

2. Error Code List 5

2.1 Error Code / Message List 6

1. FOREWORD

1.1 Introduction

Thank you for purchasing this Epson robot system. This manual provides the information necessary for correctly using the robot system.

Before using the system, please read this manual and related manuals to ensure correct use.

After reading this manual, store it in an easily accessible location for future reference.

Epson conducts rigorous testing and inspection to ensure that the performance of our robot systems meets our standards. Please note that if the Epson robot system is used outside the operating conditions described in the manual, the product will not perform up to its basic performance.

This manual describes potential hazards and problems that are foreseen. To use the Epson robot system safely and correctly, be sure to follow the safety information contained in this manual.

1.2 Trademarks

EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

All other company names, brand names, and product names are registered trademarks or trademarks of their respective companies.

1.3 Terms of Use

No part of this instruction manual may be reproduced or reprinted in any form without express written permission. The information in this document is subject to change without notice.

Please contact us if you find any errors in this document or if you have any questions about the information in this document.

1.4 Manufacturer

SEIKO EPSON CORPORATION

1.5 CONTACT INFORMATION

For detailed contact information, see "Contact Information" of the manual below.

"AX6 / RC-A101 Safety Manual"

2. Error Code List

2.1 Error Code / Message List

KEY POINTS

- In the error messages described in this manual, the portions enclosed in {{ }} represent variable fields. When an error occurs, these fields are automatically replaced with actual values, such as user names, file names, numeric values, or function names.

Example:

An account with name '{{ username }}' already exists.

In this example, the {{ username }} field is replaced with the name of the account that already exists.

- The following table shows the Slave ID numbers and the corresponding hardware items.

Slave ID	Hardware Item
1	Safety PLC
2	Base I/O Board
3	Joint 1
4	Joint 2
5	Joint 3
6	Joint 4
7	Joint 5
8	Joint 6
9	Tool I/O Board

Error Code	Message	Remedy
ADMIN_DB_001	Connection to database failed: {{ error }}	Restart the controller.
ADMIN_DB_002	Database initialization failed: {{ error }}	Restart the controller.
ADMIN_DB_003	Database connection handler was closed.	Restart the controller.
ADMIN_DB_004	Setting does not exist and cannot be written.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
ADMIN_DB_005	Setting does not exist and cannot be written.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.

Error Code	Message	Remedy
ADMIN_DB_006	Password must be properly hashed before saving.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
ADMIN_DB_007	It must be specified which account to read from.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
ADMIN_DB_008	Cannot read from account, as it does not exist.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
ADMIN_DB_009	There must always be exactly one service account.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
ADMIN_DB_010	An account with name '{{ username }}' already exists. Account names must be unique.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
ADMIN_DB_011	An account with name '{{ username }}' already exists. Account names must be unique.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
ADMIN_DB_012	The attributes to modify need to be specified.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
ADMIN_DB_013	The attributes '{{ attributes }}' of this '{{ user_level }}' account cannot be modified.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
ADMIN_DB_014	The attributes '{{ attributes }}' of this '{{ user_level }}' account cannot be modified.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.

Error Code	Message	Remedy
ADMIN_DB_015	An account with name '{{ username }}' already exists. Account names must be unique.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
ADMIN_DB_016	The service account cannot be deleted.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_001	The login token is already used.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_002	The login token has expired.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_003	User level not sufficient to execute function '{{ function }}'.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_004	No authentication data available.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_005	The function '{{ function }}' is not available on robots of type '{{ robot_type }}'.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_006	The login token is not usable.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.

Error Code	Message	Remedy
AUTH_007	No active tokens for this session.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_008	The login token is not usable.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_009	The login token is not usable.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AUTH_010	Invalid username or password.	■ Log in again. ■ If logging in does not work, contact the robot's administrator.
AUTH_011	Invalid username or password.	■ Log in again. ■ If logging in does not work, contact the robot's administrator.
AUTH_012	The user '{{ username }}' was deleted.	■ Log in again. ■ If logging in does not work, contact the robot's administrator.
AUTH_013	The service user could not be created.	Restart the controller.
AUTH_014	The initial administrator already exists.	Restart the controller.
COMMAND_001	{{ error }}	Restart the controller.
COMMAND_002	{{ error }}	Restart the controller.
EXPORT_001	Cannot export, finalize update first.	Restart the controller.
EXPORT_002	Error while exporting logs and database.	Restart the controller.
IMAGE_001	Unsupported type, please use images of one of the following types: {{ allowed_types }}	Follow the instructions in the error message.
IMAGE_002	The uploaded image is too small, please provide an image of at least {{ min_size }}x{{ min_size }} pixels.	Follow the instructions in the error message.
IMAGE_003	The uploaded image is too big, please provide an image of at most {{ max_size }}x{{ max_size }} pixels.	Follow the instructions in the error message.

Error Code	Message	Remedy
IMAGE_004	Could not determine the image type.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REQUEST_001	The executor {{ name }} is still running.	■ Wait for the process to finish, then try again. ■ If the error persists, restart the controller.
REQUEST_002	{{ error }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_003	The request '{{ request }}' is unknown.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_004	The request '{{ request }}' is unknown.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_005	Invalid format of incoming message, not a JSON string.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_006	{{ error }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_007	System functions not available.	Restart the controller.
REQUEST_008	Received a corrupted response.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_009	Unsuccessful request response: {{ response }}	Restart the controller.
REQUEST_010	User '{{ username }}' could not be created.	Restart the controller.

Error Code	Message	Remedy
REQUEST_011	User with ID {{ user_id }} could not be modified.	Restart the controller.
REQUEST_012	The password could not be set for user with ID {{ user_id }}.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_013	The password is invalid. Try again.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REQUEST_014	The password could not be set for user with ID {{ user_id }}.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_015	User with ID {{ user_id }} could not be deleted.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_016	The username is too short, must be at least {{ num }} characters long.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REQUEST_017	An account with name '{{ username }}' already exists. Account names must be unique.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REQUEST_018	The full name is too short, must be at least {{ num }} characters long.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REQUEST_019	The password is too short, must be at least {{ num }} characters long.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REQUEST_020	The argument '{{ argument }}' is missing for the '{{ action }}' action.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REQUEST_021	The usbhook command '{{ command }}' failed.	■ Replug the USB flash drive to try again. ■ If the error persists, use a different USB flash drive. ■ If the error persists, restart the controller.

Error Code	Message	Remedy
REQUEST_022	Failed to read update list from USB stick.	■ Replug the USB flash drive to try again. ■ If the error persists, use a different USB flash drive. ■ If the error persists, restart the controller.
REQUEST_023	Unknown exit code {{ exit_code }}.	Restart the controller.
REQUEST_024	This feature is not available due to an internal version mismatch. Choose another way to update the software.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_025	Please confirm the update, or power-cycle before re-executing an update.	Follow the instructions in the error message.
REQUEST_026	Power-cycle robot first before re-executing an update.	Follow the instructions in the error message.
REQUEST_027	An update is already running, cannot execute another one currently.	■ Wait for the process to finish, then try again. ■ If the error persists, restart the controller.
REQUEST_028	Failed to remove file '{{ file_name }}' during clean-up.	Restart the controller.
REQUEST_029	{{ error }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_030	{{ error }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
REQUEST_031	{{ error }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.

Error Code	Message	Remedy
REQUEST_032	Invalid request group	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
SYSTEM_001	Failed to calculate checksum.	Restart the controller.
SYSTEM_002	Failed to read from file '{{ file_name }}'.	Restart the controller.
SYSTEM_003	Failed to read from file '{{ file_name }}'.	Restart the controller.
SYSTEM_004	Failed to write to file '{{ file_name }}'.	Restart the controller.
SYSTEM_005	Failed to write to file '{{ file_name }}'.	Restart the controller.
SYSTEM_006	Only dates after {{ min_date }} and before {{ max_date }} are supported.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SYSTEM_007	The uploaded certificate files cannot be validated, make sure to upload a matching pair of files.	Follow the instructions in the error message.
SYSTEM_008	Timezone information in the SSL certificate cannot be read. The extracted time may be wrong.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UPDATE_001	Robot type not defined, cannot update anything.	■ Restart the controller. ■ Run the update again or select a different method for running the update.
UPDATE_002	Failed to mount USB update stick.	■ Restart the controller. ■ Run the update again or select a different method for running the update.
UPDATE_003	The update file was not found, skipping the update.	■ Restart the controller. ■ Run the update again or select a different method for running the update.
UPDATE_004	Bad update file format found.	■ Restart the controller. ■ Run the update again or select a different method for running the update.
UPDATE_005	USB device detected. Unplug it before running an update.	Follow the instructions in the error message.

Error Code	Message	Remedy
UPDATE_006	The update data folder was not found.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_007	Multiple USB devices detected. Before running an update, unplug USB devices that do not contain the update.	Follow the instructions in the error message.
UPDATE_008	The update failed unexpectedly. Check the logs for details.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_009	Could not find the USB mount point.	- Replug the USB flash drive to try again. - If the error persists, use a different USB flash drive. - If the error persists, restart the controller.
UPDATE_010	An undefined usbhook service was called.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_011	The update failed unexpectedly. Check the logs for details.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_012	The RAUC update is not available.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_013	The update flashing failed.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_014	The keyring folder is missing.	- Restart the controller. - Run the update again or select a different method for running the update.

Error Code	Message	Remedy
UPDATE_015	Keys are missing in the keyring folder.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_016	The update file was not found, skipping the update.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_017	Failed to extract the update signature.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_018	Failed to verify the update signature.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_019	The update file is corrupted, skipping the update.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_020	Loading the runner image failed, cannot start the update.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_021	The update runner image is missing, cannot start the update.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_022	Failed to install firmware.	- Restart the controller. - Run the update again or select a different method for running the update.
UPDATE_023	Because the update failed, confirmation is blocked. Please power cycle and restart the update.	Follow the instructions in the error message.
UPDATE_024	Other usbhook command is running.	- Wait for the process to finish, then try again. - If the error persists, restart the controller.

Error Code	Message	Remedy
ADDONS_001	The robot serial number is not defined. All licensed add-ons are disabled.	Restart the controller.
ADDONS_002	Could not initialize the license manager. All licensed add-ons are disabled.	Restart the controller.
BLOCK_001	Cannot add programming block.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BLOCK_002	Cannot modify programming block.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BLOCK_003	Cannot remove programming block.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BLOCK_004	Cannot retrieve data from programming block.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BLOCK_005	Cannot move programming block.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BLOCK_006	Cannot duplicate programming block.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BLOCK_007	Invalid block structure found, cannot load it.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.

Error Code	Message	Remedy
BLOCK_008	Block programming is disabled and needs to be manually unlocked first.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BLOCK_009	Coding is disabled and needs to be manually unlocked first.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BRIDGE_001	The following error interrupted normal functionality. {{ error_type }}: {{ error }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BRIDGE_002	The specified bridge '{{ bridge }}' does not exist. (Called action: '{{ action }}')	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BRIDGE_003	The sent action '{{ action }}' does not exist for bridge '{{ bridge }}'.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BRIDGE_004	Call to function '{{ function }}' failed. It seems that you are not properly logged in. Please navigate back to the Admin Interface to log in.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ Log in again. ■ If logging in does not work, contact the robot's administrator.
BRIDGE_005	A user of type '{{ user_level }}' is not authorized to execute the function '{{ function }}'. Make sure that you are properly logged in.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ Log in again. ■ If logging in does not work, contact the robot's administrator.

Error Code	Message	Remedy
BRIDGE_006	The argument '{{ name }}' is missing for the '{{ target_function }}' action.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BRIDGE_007	{{ response }}. Please log in again.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ Log in again. ■ If logging in does not work, contact the robot's administrator.
BRIDGE_008	{{ response }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ Log in again. ■ If logging in does not work, contact the robot's administrator.
BRIDGE_009	The action '{{ action }}' can only be called if the robot is powered down.	Power down the robot, then try again.
BRIDGE_010	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_011	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_013	The action '{{ action }}' can only be called if the robot is powered down.	Power down the robot, then try again.
BRIDGE_014	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_015	A parallel/background application cannot be saved as a panel application.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
BRIDGE_016	The application can not be saved. Only one background application is allowed in a project.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
BRIDGE_017	The application you're trying to delete does not exist.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
BRIDGE_018	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_019	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_020	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_021	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_022	This path is not properly defined yet, please modify it such that it becomes valid.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
BRIDGE_023	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_024	Please specify a grid name before continuing to the next window.	Follow the instructions in the error message.
BRIDGE_025	This grid is not properly defined yet, please continue with the wizard before saving, or abort the wizard.	Follow the instructions in the error message.

Error Code	Message	Remedy
BRIDGE_026	The action '{{ action }}' can only be called if the robot is powered down.	Power down the robot, then try again.
BRIDGE_027	A new database can only be uploaded if the robot is powered down.	Power down the robot, then try again.
BRIDGE_028	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_029	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_030	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_031	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_032	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_033	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_034	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.

Error Code	Message	Remedy
BRIDGE_035	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
BRIDGE_036	Could not execute the action '{{ action }}'. The interface needs to have active control.	■ Request active control. ■ If another connection is controlling the robot, wait until it releases control. ■ Then try again.
BRIDGE_037	Could not execute the action '{{ action }}'. The robot needs to be powered.	Power up the robot, then try again.
BRIDGE_038	Could not execute the action '{{ action }}'. The robot is in error state.	■ Resolve the error, then try again. ■ If the error cannot be resolved, restart the controller.
BRIDGE_039	Invalid format for multiturn axis data. Each entry must be a list containing a unique axis name and a numeric target position.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
BRIDGE_040	Invalid format for position offset data. Must be a list of 6 floats and each must be within $-5.0 \leq x \leq 5.0$.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
BRIDGE_041	Could not execute the action '{{ action }}'. The robot must not be powered.	Power down the robot, then try again.
COGNEX_001	The camera did not answer in time to a command.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_002	The connection to the camera has been lost.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_003	Invalid user/password combination. Note that the default login uses the user 'admin' without password.	Make sure the camera is properly set up (e.g. contains the job you want to trigger)
COGNEX_004	The camera has been disconnected.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.

Error Code	Message	Remedy
COGNEX_005	Connecting to the camera took too long.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_006	Timeout while establishing the connection to the camera.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_007	Connecting to the camera took too long.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_008	Timeout while establishing the connection to the camera.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_009	No camera found at the specified address.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_010	Could not set offline.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_011	Could not change job.	Make sure the camera is properly set up (e.g. contains the job you want to trigger)
COGNEX_012	Could not set online.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.

Error Code	Message	Remedy
COGNEX_013	No camera found at the specified address.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_014	No FormatString could be found in this cell. Make sure that this function is only called for cells with Cognex FormatStrings.	Make sure the camera is properly set up (e.g. contains the job you want to trigger)
COGNEX_015	No camera found at the specified address.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_016	No camera found at the specified address.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_017	No camera found at the specified address.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
COGNEX_018	The camera did not send a keyword string in time.	■ Check that the camera device is in the same network as the robot. ■ Check that the camera device works properly standalone before connecting it to the robot.
CONFIG_001	There is no config value for the key '{{ key }}'.	Restart the controller.
CONFIG_002	There is no config value for the key '{{ key }}'. Maybe you meant one of the following keys? {{ alternatives }}	Restart the controller.
CONFIG_003	The parameter '{{ name }}' must be in range {{ range }} and cannot be set to value {{ value }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CONFIG_004	The motion parameter '{{ name }}' cannot be set to zero. It would prevent the robot from moving by default.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CONFIG_005	The digital outputs for the picking behavior of this tool are not properly configured.	Adjust the picking behavior settings of your tool, then try again.

Error Code	Message	Remedy
CONFIG_006	The outputs for the selected signal output mode must be unique. Resetting output signals for this tool.	Adjust the picking behavior settings of your tool, then try again.
CONNECTION_001	Too many commands are being processed. The action '{{ action }}' could not be executed.	■ The controller CPU seems to be overloaded. ■ Send less commands to the robot (e.g. reduce frequency of actions or data requests). ■ Reduce the number of connections (e.g. connected browser windows).
CONNECTION_002	Only users with higher access levels than {{ user_level }} can be registered.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
CONNECTION_003	A user is already registered.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
CONNECTION_004	No user is currently registered.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
CONNECTION_005	This connection only accepts JSON strings as messages.	Send a valid and compatible message format to the robot connection.
CONNECTION_006	This connection only accepts JSON strings as messages.	Send a valid and compatible message format to the robot connection.
CONNECTION_007	The incoming JSON message needs to contain a dictionary.	Send a valid and compatible message format to the robot connection.
CONNECTION_008	The incoming JSON message needs to contain an 'action' key.	Send a valid and compatible message format to the robot connection.
CONNECTION_009	The incoming JSON message needs to contain an 'action' key.	Send a valid and compatible message format to the robot connection.
CONNECTION_010	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Send a valid and compatible message format to the robot connection.
CONNECTION_011	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Send a valid and compatible message format to the robot connection.
CONNECTION_012	The 'sequence' key of the incoming JSON message needs to be a positive integer.	Send a valid and compatible message format to the robot connection.

Error Code	Message	Remedy
CONNECTION_013	The 'arguments' key of the incoming JSON message needs to contain a dictionary.	Send a valid and compatible message format to the robot connection.
CONNECTION_014	The sent message has to be JSON-serializable.	Send a valid and compatible message format to the robot connection.
CONNECTION_015	The transmission queue is full. This is most likely due to high processing load.	■ The controller CPU seems to be overloaded. ■ Send less commands to the robot (e.g. reduce frequency of actions or data requests). ■ Reduce the number of connections (e.g. connected browser windows).
CONTROLLER_002	Connection to the MCM could not be established. The MCM may not be running, or it may have crashed.	Restart the controller.
CONTROLLER_003	The MCM discovery loop initialization timed out.	Restart the controller.
CONTROLLER_004	The MCM discovery loop initialization failed: {{ answer }}	Restart the controller.
CONTROLLER_005	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_006	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_007	Could not request data from the MCM: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
CONTROLLER_008	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_009	Could not request data from the MCM: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_010	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_011	Could not request data from the MCM: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_012	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_013	The arguments '{{ parameter_name }}' and 'actuator_ids' need to have the same length.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.

Error Code	Message	Remedy
CONTROLLER_014	The property '{{ parameter_name }}' of joint {{ joint }} must be within range {{ range }}, but is {{ value }}.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CONTROLLER_015	The arguments '{{ parameter_name }}' and 'actuator_ids' need to have the same length.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CONTROLLER_016	The property '{{ parameter_name }}' of joint {{ joint }} must be within range {{ range }}, but is {{ value }}.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CONTROLLER_017	The calibration has failed. Please repeat the calibration process.	Follow the instructions in the error message.
CONTROLLER_018	The calibration has failed. Please repeat the calibration process.	Follow the instructions in the error message.
CONTROLLER_019	One of the actuators to move is not calibrated. Please calibrate the robot before executing movements.	Follow the instructions in the error message.
CONTROLLER_021	This function can only be called if the MCM is properly connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_022	This function can only be called if the MCM is properly connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
CONTROLLER_023	Could not request data from the MCM: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_024	The status '{{ status }}' is invalid. Possible options are: {{ available_status }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_025	The reset flag was not activating after sending a mode switch command, please power-cycle the robot.	Follow the instructions in the error message.
CONTROLLER_026	Could not connect to motors. Expected motors: {{ expected_motors }}. Connected motors: {{ connected_motors }}.	■ There is no connection to one or more devices, see error message. ■ Possible defective part: Cable connecting to the device which has no connection. ■ Possible defective part: "Motor Unit"
CONTROLLER_027	Parsing the MCM command failed: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_028	{{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
CONTROLLER_029	Original error message: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_030	Original error message: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_031	Received an MCM error with an empty error chain.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_032	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_033	Could not request data from the MCM: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_034	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
CONTROLLER_035	Could not request data from the MCM: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_036	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CONTROLLER_037	This function can only be called if the MCM is not yet connected.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
CORE_002	This robot does not support the simulation mode.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
CORE_003	The action '{{ action }}' can only be called if the robot is powered.	Power up the robot, then try again.
CORE_004	An application with name '{{ name }}' does not exist.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
CORE_005	No script selected. Please select the script you would like to execute.	Follow the instructions in the error message.
CORE_006	The function 'execute_script' does not allow to run a background application.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
CORE_007	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
CORE_008	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_009	An application with name '{{ name }}' does not exist.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_010	The function 'run_script' can only run main applications.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_011	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_012	An application with name '{{ name }}' does not exist.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_013	The function 'start_parallel_script' can only run parallel applications.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_014	A calibration application must calibrate all motors.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_015	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
CORE_016	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
CORE_017	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.

Error Code	Message	Remedy
CORE_018	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
CORE_019	The function {{ function_name }} is only available if a tool is used.	■ Power down the robot. ■ Select the tool to power up with. ■ Power up the robot, then try again.
CORE_020	The function {{ function_name }} requires an output signal to be defined for the active tool.	Adjust the picking behavior settings of your tool, then try again.
CORE_021	The function {{ function_name }} is only available if a tool is used.	■ Power down the robot. ■ Select the tool to power up with. ■ Power up the robot, then try again.
CORE_022	The function {{ function_name }} requires an output signal to be defined for the active tool.	Adjust the picking behavior settings of your tool, then try again.
CORE_023	The function {{ function_name }} is only available if a P-Grip is used.	■ Power down the robot. ■ Select the tool to power up with. ■ Power up the robot, then try again.
CORE_024	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
CORE_025	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
CORE_026	The action '{{ action }}' can only be called if the status is 'ready'.	■ If the robot is powered, trigger the stop action. ■ If the robot is powered down, power it up. ■ Then try again.
CORE_027	{{ error }}	This is a custom error created in the application code. If it's not clear how to resolve this error, ask the programmer of this application.

Error Code	Message	Remedy
CORE_028	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_029	A shared variable with name '{{ name }}' is not defined.	A variable needs to be written first, before it can be read.
CORE_030	A shared variable with name '{{ name }}' is not defined.	A variable needs to be written first, before it can be read.
CORE_031	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_032	A global variable with name '{{ name }}' is not defined.	A variable needs to be written first, before it can be read.
CORE_033	A global variable with name '{{ name }}' is not defined.	A variable needs to be written first, before it can be read.
CORE_034	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_035	The argument '{{ name }}' must be a valid file path. Allowed characters are: A-Z a-z 0-9 _ - /	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_036	Invalid value for argument '{{ name }}'. Possible options are {{ options }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_039	The IP address needs to be a string.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_040	The port number needs to be an integer.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_041	The port needs to be between {{ port_min }} and {{ port_max }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_042	The end character needs to be a string.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_043	The port number needs to be an integer.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_044	The port needs to be between {{ port_min }} and {{ port_max }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_045	The end character needs to be a string.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
CORE_046	The port number needs to be an integer.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_047	The port needs to be between {{ port_min }} and {{ port_max }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_048	The end character needs to be a string.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_049	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_050	The sent message has to be JSON-serializable.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_051	Invalid 'channel' argument, it has to be an integer between 1 and {{ number_of_buttons }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_052	All buttons come with assigned functions, you cannot read these values.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_053	Invalid 'channel' argument, you may only read the buttons without assigned functions, which are {{ keys }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_054	Invalid value for argument '{{ name }}'. Possible options are {{ options }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_055	The function {{ function_name }} is only available if a P-Grip is used.	■ Power down the robot. ■ Select the tool to power up with. ■ Power up the robot, then try again.
CORE_056	The function {{ function_name }} is only available if a P-Grip is used.	■ Power down the robot. ■ Select the tool to power up with. ■ Power up the robot, then try again.
CORE_057	The admin-interface timed out on action '{{ action }}' of request '{{ request }}'.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
CORE_058	The robot needs to be powering up or down, but the status is '{{ status }}' instead.	Restart the controller.
CORE_059	Movement of Joint {{ joint }} is not allowed since the actuator is not calibrated.	■ Power down the robot. ■ Select a calibration routine to run during power-up. This routine must calibrate all actuators. ■ Power up the robot, then try again.
CORE_060	The argument '{{ name }}' may not be an empty {{ container_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_061	Movement of Gripper is not allowed since the actuator is not calibrated.	■ Power down the robot. ■ Select a calibration routine to run during power-up. This routine must calibrate all actuators. ■ Power up the robot, then try again.
CORE_062	Movement of Joint {{ joint }} is not allowed since the actuator is not calibrated.	■ Power down the robot. ■ Select a calibration routine to run during power-up. This routine must calibrate all actuators. ■ Power up the robot, then try again.
CORE_063	The arguments '{{ parameter_name }}' and 'actuator_ids' need to have the same length.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_064	The parameter '{{ parameter_name }}' needs to have the same elements as 'actuator_ids'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_065	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_066	Every value of the {{ name }} parameter needs to be of type {{ value_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_067	The property '{{ parameter_name }}' of joint {{ joint }} must be within range {{ range }}, but is {{ value }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_068	Every value of the {{ name }} parameter needs to be a positive number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
CORE_069	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_070	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_071	The position on the {{ axis }}-axis cannot coincide with the origin.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_072	The position on the {{ axis }}-axis cannot coincide with the origin.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_073	The x and y-axis must span an angle of 90deg, but the given positions span an angle of {{ angle }}deg instead.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_074	This path contains an invalid pose. You may want to adapt the poses of this path.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_075	The configuration {{ configuration }} does not exist for this pose. Please choose one of the following configurations: {{ available_configurations }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_076	A pose with name '{{ name }}' does not exist.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_077	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_078	The offset parameter needs to be a list with entries [x, y, z, frame], where x, y and z need to be numbers and frame is 'base' or 'tool'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_079	The argument {{ name }} needs to be either int or float, or 'MAX'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_080	The argument {{ name }} needs to be either int or float, or 'MAX'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_081	Cannot execute move command. The argument '{{ argument_name }}' must be greater than {{ value_min }}{{ unit }}, but a value of {{ value }}{{ unit }} was given.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_082	Cannot execute move command. The argument '{{ argument_name }}' must be greater than {{ value_min }}{{ unit }}, but a value of {{ value }}{{ unit }} was given.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
CORE_083	Cannot execute move command. The argument '{{ argument_name }}' must be greater than {{ value_min }}{{ unit }}, but a value of {{ value }}{{ unit }} was given.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_084	Cannot execute move command. The argument '{{ argument_name }}' must be greater than {{ value_min }}{{ unit }}, but a value of {{ value }}{{ unit }} was given.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_085	Cannot execute move command. The argument '{{ argument_name }}' must be greater than {{ value_min }}{{ unit }}, but a value of {{ value }}{{ unit }} was given.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_086	For each of the {{ joint_number }} robot joints a value for '{{ argument_name }}' must be provided.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_087	The argument '{{ argument_name }}' for joint {{ joint }} must be in the range {{ value_range }} {{ unit }}, but a value of {{ value }}{{ unit }} was given.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_088	The first waypoint must differ from the current robot pose.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_089	The 'poses' argument cannot contain two identical consecutive poses.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_090	A path with name '{{ name }}' does not exist.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_091	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_092	A grid with name '{{ name }}' does not exist.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_093	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_094	The argument '{{ argument_name }}' must be a positive number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_095	The argument '{{ argument_name }}' must be a positive number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CORE_096	An input must be assigned to the 'Safety Reset' function, as a safety reset is only allowed by digital input.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
CORE_097	Cannot execute the command '{{ command }}' while the robot is moving.	- Check the application code for potential mistakes. - You may want to improve the application code according to the error message. - You may want to improve the error handling in the application code.
CORE_098	The hardware information could not be retrieved or written.	- Restart the controller. - Possible defective part: "Main I/O Board" or "Tool I/O Board"
CORE_099	The environment variable {{ var }} is not set.	- There might be an internal module incompatibility. - Restart the controller, then try again. - If the error persists, you should update the software to a newer version.
CORE_100	The hardware information could not be retrieved or written.	- Restart the controller. - Possible defective part: "Main I/O Board" or "Tool I/O Board"
CORE_101	Failed to reset the controller hostname	- Restart the controller. - Possible defective part: "Main I/O Board" or "Tool I/O Board"
CORE_102	The hardware information could not be retrieved or written.	- Restart the controller. - Possible defective part: "Main I/O Board" or "Tool I/O Board"
CORE_103	The automatic start-up sequence failed.	- Adjust the start-up settings in the settings menu. - Restart the controller.

Error Code	Message	Remedy
DATABASE_001	{{ error_class }}: {{ error }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_002	Database version incompatibility detected. The latest migration file updates to version '{{ migration_version }}' instead of to the required database version '{{ required_version }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_003	Database version incompatibility detected. The currently loaded database version '{{ actual_version }}' does not match the required database version '{{ required_version }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_004	A column '{{ column }}' does not exist in table '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_005	Failed to decode the JSON string '{{ json_string }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_006	The ID '{{ element_id }}' does not exist in '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_007	All columns except 'id' must be defined in order to add an element.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_008	A column '{{ column }}' does not exist in table '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_009	SQL command failed: {{ sql_command }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_010	A column '{{ column }}' does not exist in table '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_011	The name '{{ element_name }}' already exists in '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_012	The following database columns are reserved: {{ columns }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_013	A column '{{ column }}' does not exist in table '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_014	The ID '{{ element_id }}' of table '{{ table_name }}' is not part of any project.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_015	The default project cannot be deleted or overwritten.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_016	The ID '{{ element_id }}' does not exist in '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_017	The ID '{{ element_id }}' does not exist in '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_018	The ID '{{ element_id }}' does not exist in '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_019	The name '{{ element_name }}' does not exist in '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_020	A column '{{ column }}' does not exist in table '{{ table_name }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_021	The uploaded file cannot be unpacked.	Upload a compatible file.
DATABASE_022	A {{ element_string }} called {{ element_name }} already exists in this project.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
DATABASE_023	Cannot write entry to global database: {{ entry }}. Make sure this entry is JSON serializable.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
DATABASE_024	Cannot load a table of the settings database. You are probably loading a newer database version on an older (incompatible) software version.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_025	Database version incompatibility detected. The latest migration file updates to version '{{ migration_version }}' instead of to the required database version '{{ required_version }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_026	Database version incompatibility detected. The currently loaded database version '{{ actual_version }}' does not match the required database version '{{ required_version }}'.	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_027	Invalid value for '{{ parameter }}' in the migration file '{{ file_name }}'.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
DATABASE_028	Invalid value for '{{ parameter }}' in the migration file '{{ file_name }}'.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
DATABASE_029	Operation '{{ operation }}' failed during database migration: {{ error }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_030	Operation '{{ operation }}' failed during database migration: {{ error }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_031	SQL command failed: {{ sql_command }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_032	Operation '{{ operation }}' failed during database migration: {{ error }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_033	Operation '{{ operation }}' failed during database migration: {{ error }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_034	Operation '{{ operation }}' failed during database migration: {{ error }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_035	Migration '{{ file_name }}' not available.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
DATABASE_036	SQL command failed: {{ sql_command }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_037	SQL command failed: {{ sql_command }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.

Error Code	Message	Remedy
DATABASE_038	SQL command failed: {{ sql_command }}	■ The database is incompatible or corrupt, it may have been manually modified with (e.g. before uploading). ■ You may be guided through a procedure that lets you download the current database before it is being reset. ■ If you are not guided through this procedure, download the current database anyway to have a back-up of your application and settings. ■ You may now upload a previously compatible back-up of the database.
DATABASE_039	The nested structure of the specified name is too deep.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DATABASE_040	The specified name is too long. You need to choose a shorter name.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DATABASE_041	The specified name contains invalid characters or a reserved name.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DATABASE_042	Please specify a name before performing this action.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DIALOG_001	The dialog '{{ dialog_id }}' does not exist anymore.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
DIALOG_002	The dialog of type '{{ dialog_type }}' expects an answer of type {{ expected_type }}, but got {{ answer_type }} instead.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DIALOG_003	The dialog of type '{{ dialog_type }}' expects an answer of type {{ expected_type }}, but got {{ answer_type }} instead.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DIALOG_004	The dialog of type '{{ dialog_type }}' expects an answer of type {{ expected_type }}, but got {{ answer_type }} instead.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DIALOG_005	The dialog option '{{ option }}' does not exist. Available options are {{ available_options }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
DIALOG_006	The dialog option '{{ option }}' does not exist. Available options are {{ available_options }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DIALOG_007	The dialog of type '{{ dialog_type }}' expects an answer of type {{ expected_type }}, but got {{ answer_type }} instead.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DIALOG_008	The dialog of type '{{ dialog_type }}' expects an answer of type {{ expected_type }}, but got {{ answer_type }} instead.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DIALOG_009	The interrupt action '{{ interrupt_action }}' does not exist. Available actions are {{ available_interrupt_actions }}.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
DISTRIBUTOR_001	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_002	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_003	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_004	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_005	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_006	The argument '{{ name }}' cannot be the name of a built-in API functions.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_007	The argument '{{ name }}' may not be an empty {{ container_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_008	The types of the arguments 'identifiers' and 'values' are incompatible.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_009	The arguments 'identifiers' and 'values' must contain the same number of entries.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_010	The argument 'values' must contain entries of type '{{ value_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
DISTRIBUTOR_011	The types of the arguments 'identifiers' and 'values' are incompatible.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_012	The arguments 'identifiers' and 'values' must contain the same number of entries.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_013	The keys of argument 'values' must match the set of 'identifiers'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_014	The argument 'values' must contain entries of type '{{ value_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_015	The argument 'range' must be a list of two entries, one needs to be a number, None is allowed.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_016	Invalid 'range' argument, values must not exceed [0.0, 20.0].	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_017	Invalid 'range' argument, specify values in increasing order.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_018	The actuator IDs must be of type str, int, list, or set.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_019	An actuator with ID {{ actuator_id }} does not exist.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_020	If 'actuator_ids' is a list, '{{ parameter_name }}' needs to be a list.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_021	The arguments '{{ parameter_name }}' and 'actuator_ids' need to have the same length.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_022	If 'actuator_ids' is a set, '{{ parameter_name }}' needs to be a dictionary.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_023	The parameter '{{ parameter_name }}' needs to have the same elements as 'actuator_ids'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_024	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
DISTRIBUTOR_025	The argument {{ name }} needs to be of size {{ size }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_026	Every element of the {{ name }} parameter needs to be of type {{ element_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_027	The argument '{{ name }}' cannot contain more than {{ size }} elements.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_028	Every key of the {{ name }} dict needs to be of type {{ key_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_029	Every value of the {{ name }} parameter needs to be of type {{ value_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_030	The argument '{{ name }}' must be a percentage greater than 0 and no more than 100.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_031	Only robot arm joints can be moved using this function.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_032	The 'frame' argument must take string values 'base' or 'tool'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_033	The argument {{ name }} needs to be either int or float, or 'MAX'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_034	The argument '{{ name }}' may not be an empty {{ container_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_035	The argument '{{ name }}' may not be an empty {{ container_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_036	Invalid value for argument '{{ name }}'. Possible options are {{ options }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_037	The argument '{{ name }}' may not be an empty {{ container_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_038	The directions must be -1 or +1.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
DISTRIBUTOR_039	Only robot arm joints can be moved using this function.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_041	The payload cannot exceed the maximum allowed {{ max_payload }}kg.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_042	The payload cannot be lower than the tool mass, which is {{ tool_mass }}kg.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_043	The minimum number of poses needs to be at least 2.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_044	The argument '{{ name }}' has size {{ size_actual }}, but size {{ size_expected }} is expected.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_045	Every element of the {{ name }} parameter needs to be of type {{ element_type }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_046	Can't read from unknown signal category '{{ category }}'.	Choose a valid signal category.
DISTRIBUTOR_047	Can't read from unknown signal category '{{ category }}'.	Choose a valid signal category.
DISTRIBUTOR_048	Can't read from unknown signal category '{{ category }}'.	Choose a valid signal category.
DISTRIBUTOR_049	Workspace boundaries must be defined as a dictionary with 'direction' and 'constant' keys.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_050	The port needs to be between {{ port_min }} and {{ port_max }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
DISTRIBUTOR_051	The gripper current must be a value between 0 and {{ current_limit }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_001	The editor '{{ editor_id }}' does not exist anymore.	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
EDITOR_002	This pose cannot be reached by the robot (no kinematic solution).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
EDITOR_003	Make sure all grid points are properly defined (and not too close to each other).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_004	The grid size must be at least 2 in each dimension.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_005	Missing application code file: {{ file_name }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_006	Missing application code file: {{ file_name }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_007	The state variable container ID '{{ container_id }}' does not exist.	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_008	Invalid state variable index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_009	Invalid state variable container index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_010	The state variable type '{{ variable_type }}' does not exist.	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_011	Invalid state variable index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_012	Invalid state variable container index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_013	State variable containers do not support nested structure.	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_014	Invalid state variable index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_015	Invalid state variable container index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_016	Invalid state variable index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.

Error Code	Message	Remedy
EDITOR_017	Invalid state variable index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_018	Invalid state variable container index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_019	Invalid state variable container index: {{ index }}	The application seems to be corrupt or was not properly saved. Delete and re-create this application.
EDITOR_020	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_021	A state variable with name '{{ name }}' is not defined.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_022	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_023	A state variable with name '{{ name }}' is not defined.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_024	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_025	A state variable with name '{{ name }}' is not defined.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_026	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_027	A state variable with name '{{ name }}' is not defined.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_028	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_029	A state variable with name '{{ name }}' is not defined.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_030	The values of all variables of this container need to be written.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
EDITOR_031	The configuration {{ configuration }} does not exist for this pose. Please choose one of the following configurations: {{ available_configurations }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EDITOR_032	The 'button_up' command does not properly follow a 'button_down' command.	■ The controller CPU seems to be overloaded. ■ Send less commands to the robot (e.g. reduce frequency of actions or data requests). ■ Reduce the number of connections (e.g. connected browser windows).
EDITOR_033	This pose cannot be reached by the robot (no kinematic solution).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
EVENT_001	The function signature of the delegate to add to this event is {{ actual_signature }}, but it is expected to be {{ expected_signature }}.	Restart the controller.
EVENT_002	The function signature of the delegate to add to this event is {{ actual_signature }}, but it is expected to be {{ expected_signature }}.	Restart the controller.
EVENT_003	Too many threads are being executed by this event. This is most likely due to high processing load.	■ The controller CPU seems to be overloaded. ■ Send less commands to the robot (e.g. reduce frequency of actions or data requests). ■ Reduce the number of connections (e.g. connected browser windows).
KINEMATICS_001	The argument '{{ name }}' has size {{ size_actual }}, but size {{ size_expected }} is expected.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_002	Every value of the {{ name }} parameter needs to be a number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_003	Every value of the {{ name }} parameter needs to be a number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_004	The dictionary {{ name }} needs to contain the keys {{ keys }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_005	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
KINEMATICS_006	The coordinates contain an invalid orientation {{ orientation }}. The limits for roll, pitch and yaw are +-180°, +-90° and +-180° respectively.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_007	Coordinate frames can only be multiplied with other coordinate frames.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_008	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_009	The configuration {{ configuration }} does not exist for this pose. Please choose one of the following configurations: {{ available_configurations }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_010	The configuration index {{ index }} does not exist for this pose. Please choose one of the following indices: {{ available_indices }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_011	The argument '{{ argument_name }}' must be a positive number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_012	The argument '{{ argument_name }}' must be a positive number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_013	The argument '{{ argument_name }}' must be a positive number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
KINEMATICS_014	{{ error }}	- Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again. - If the error persists, restart the controller.
MODBUS_001	The address for user registers must be between 0x10 and 0xFF.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MODBUS_002	The address for user registers must be between 0x10 and 0xFF.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MODBUS_003	The action '{{ action }}' requires the argument '{{ argument }}' to be given in the input register.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MODBUS_004	The action '{{ action }}' requires the argument '{{ argument }}' to be given in the input register.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
MODBUS_005	The action '{{ action }}' requires the argument '{{ argument }}' to be given in the input register.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MODBUS_006	The action '{{ action }}' requires the argument '{{ argument }}' to be given in the input register.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REST_001	The argument '{{ argument_name }}' needs to be one of {{ options }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
REST_002	The argument '{{ argument_name }}' needs to be one of {{ options }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
ROS_001	Executing the action took too long.	■ The controller CPU seems to be overloaded. ■ Send less commands to the robot (e.g. reduce frequency of actions or data requests). ■ Reduce the number of connections (e.g. connected browser windows).
ROS_002	There is no ROS connection requests with sequence {{ sequence }}.	■ Disconnect and reconnect the ROS connection. ■ If the error persists, restart the controller.
ROS_003	There is no ROS connection requests with sequence {{ sequence }}.	■ Disconnect and reconnect the ROS connection. ■ If the error persists, restart the controller.
ROS_007	Cyclone DDS config file not found at '{{ file_path }}'.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
ROS_008	Error parsing XML file '{{ file_path }}': {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
ROS_009	<Domain> element not found in Cyclone DDS config.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
ROS_010	<General> element not found under <Domain>.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
ROS_011	<Discovery> element not found under <Domain>.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
ROS_012	The provided list contained only invalid or empty IP addresses.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
ROS_013	Backup Cyclone DDS config file not found at '{{ file_path }}'.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
ROS_014	An unexpected error occurred while copying backup config: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
ROS_015	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
ROS_016	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
ROS_017	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
ROS_018	No wireless network interface found on the system.	Restart the controller.
ROS_019	No wireless network interface found on the system.	Restart the controller.
SAFETY_001	The safety parameter '{{ parameter_name }}' cannot be read.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version. ■ Possible defective part: "Safety PLC"
SAFETY_002	The safety parameter '{{ parameter_name }}' cannot be written.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version. ■ Possible defective part: "Safety PLC"
SAFETY_003	SafetySettingsError: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version. ■ Possible defective part: "Safety PLC"

Error Code	Message	Remedy
SAFETY_004	SafetySettingsError: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version. ■ Possible defective part: "Safety PLC"
SAFETY_005	The default safety PMT file was not found. The safety editor cannot be used.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
SAFETY_006	Initializing the dbus interface failed: {{ error }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
SAFETY_007	Invalid safety settings file. Cannot import values.	Upload a compatible file.
SAFETY_008	The safety configuration has not been verified. Your safety officer needs to resolve this by verifying changes in the safety settings.	Follow the instructions in the error message.
SAFETY_009	The safety device must be locked. Your safety officer needs to resolve this by verifying changes in the safety settings.	Follow the instructions in the error message.
SAFETY_010	There is a mismatch in the safety configuration. Your safety officer needs to resolve this by verifying changes in the safety settings. The device TOC is {{ device_checksum }} instead of {{ local_checksum }}.	Follow the instructions in the error message.
SAFETY_011	Fatal code {{ code }} raised on safety device. The safety officer needs to check the device and resolve the error.	■ Restart the controller. ■ Follow the instructions in the error message.
SAFETY_012	Alarm code {{ code }} raised on safety device. The safety officer needs to check the device and resolve the error.	■ Restart the controller. ■ Follow the instructions in the error message.

Error Code	Message	Remedy
SAFETY_013	The safety device is in state '{{ state }}'. The safety officer needs to check the device and resolve the error.	- Restart the controller. - Follow the instructions in the error message.
SAFETY_014	An interrupt is only allowed to be reset using digital input functions. It's configured as such in the safety settings.	Follow the instructions in the error message.
SAFETY_015	Operators are not allowed to switch the operation mode.	Ask a user with proper authentication to perform this task.
SAFETY_016	The safety officer is currently blocking the safety device. Please wait until the safety officer finished editing or verifying the settings.	Follow the instructions in the error message.
SAFETY_017	The loaded safety parameters do not match the ones on the safety device. Your safety officer needs to edit and apply the safety parameters.	Follow the instructions in the error message.
SCRIPT_001	Recursive import in file '{{ file_name }}' detected. Please resolve before executing the file.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_002	Could not import '{{ node_name }}' from file '{{ file_name }}': {{ error }}	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_003	Could not import '{{ node_name }}' from file '{{ file_name }}': {{ error }}	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SCRIPT_004	Cannot import '{{ function_names }}' from application '{{ file_name }}'. Please make sure these entities exist.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_005	While trying to import the class {{ node_name }}, the base class could not be found. Please import all the classes which {{ node_name }} inherits from. Base classes have to be imported first.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_006	The import of the Python module '{{ module_name }}' is prohibited for user applications. Triggered by application '{{ application }}'.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_007	The statement 'from module import *' is not allowed for standard Python modules. Please use the generic import of the module ('import module') instead.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_008	Relative imports are not allowed in user applications. Triggered by application '{{ application }}' on line {{ line }}.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SCRIPT_009	Could not find application '{{ application }}' to import from.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_010	The import of the Python module '{{ module_name }}' is prohibited for user applications. Triggered by application '{{ application }}'.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_011	The name '{{ node_name }}' is prohibited for user applications. Triggered by application '{{ application }}' on line {{ line }}.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_012	The function name '{{ node_name }}' is prohibited for user applications. Triggered by application '{{ application }}' on line {{ line }}.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_013	The imported function '{{ function_name }}' is not allowed in application '{{ application }}' of type '{{ application_type }}'.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SCRIPT_014	The imported function '{{ function_name }}' is not allowed in application '{{ application }}' of type '{{ application_type }}'.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_015	The class name '{{ node_name }}' is prohibited for user applications. Triggered by application '{{ application }}' on line {{ line }}.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_016	The class attribute '{{ node_name }}' is prohibited for user applications. Triggered by application '{{ application }}' on line {{ line }}.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_017	The class name '{{ node_name }}' is prohibited for user applications. Triggered by application '{{ application }}' on line {{ line }}.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_018	The function name '{{ node_name }}' is prohibited for user applications. Triggered by application '{{ application }}' on line {{ line }}.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SCRIPT_019	The string argument '{{ string }}' is prohibited for user applications. Triggered by application '{{ application }}' on line {{ line }}.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_020	The generic except statement (try: ... except: ...) is not allowed as it could lead to harmful behavior of the robot.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_021	Catching generic exceptions (Exception, BaseException) is not allowed as it could lead to harmful behavior of the robot.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_022	Catching generic exceptions (Exception, BaseException) is not allowed as it could lead to harmful behavior of the robot.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_023	Overwriting an attribute of the imported module {{ target }} is prohibited. Triggered by application '{{ application }}' on line {{ line }}.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SCRIPT_024	Overwriting an attribute of the internal function register {{ target }} is prohibited. Triggered by application '{{ application }}' on line {{ line }}.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_025	Overwriting the internal class {{ target }} is prohibited. Triggered by application '{{ application }}' on line {{ line }}.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_026	Overwriting the predefined function {{ target }} is prohibited. Triggered by application '{{ application }}' on line {{ line }}.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_027	Overwriting the imported entity {{ target }} is prohibited. Triggered by application '{{ application }}' on line {{ line }}.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_028	The application '{{ application }}' has been marked as not yet executable, it may be still under ongoing development.	■ Open the application settings and make it executable. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SCRIPT_030	{{ error_class }} in imported application: {{ error }}	■ Check the application code for potential mistakes. ■ You may want to improve the application code according to the error message. ■ You may want to improve the error handling in the application code. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_031	{{ error_class }} in application '{{ application }}' on line {{ line }}: {{ error }}	■ Check the application code for potential mistakes. ■ You may want to improve the application code according to the error message. ■ You may want to improve the error handling in the application code. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_032	{{ error_class }} in imported object from application '{{ application }}' on line {{ line }}: {{ error }}	■ Check the application code for potential mistakes. ■ You may want to improve the application code according to the error message. ■ You may want to improve the error handling in the application code. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SCRIPT_033	{{ error_class }} in application '{{ application }}' on line {{ line }}: {{ error }}	■ Check the application code for potential mistakes. ■ You may want to improve the application code according to the error message. ■ You may want to improve the error handling in the application code. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_034	The type of argument '{{ argument_name }}' needs to be one of {{ argument_types }}.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_035	The type of argument '{{ argument_name }}' needs to be '{{ argument_type }}'.	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_036	The address to be sent needs to be a tuple (ip_address, port).	■ Adjust the application code according to the error message, then try again. ■ Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SCRIPT_037	The IP address needs to be a string.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_038	The port number needs to be an integer.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_039	The import of the Python module '{{ module_name }}' is prohibited for user applications. Triggered by application '{{ application }}'.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_040	The function name '{{ function_name }}' is prohibited for applications of type '{{ application_type }}'. Triggered by application '{{ application }}'.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.
SCRIPT_041	The name '{{ name }}' is prohibited for applications of type '{{ application_type }}'. Triggered by application '{{ application }}'.	- Adjust the application code according to the error message, then try again. - Whenever you apply changes to an application, it is highly recommended to scale down the global velocity parameters to low values and then to test the application.

Error Code	Message	Remedy
SETTINGS_001	The interrupt behavior '{{ interrupt_behavior }}' is invalid. Possible options are: {{ available_interrupt_behaviors }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
SIGNAL_001	The digital outputs for the picking behavior of this tool are not properly configured.	Adjust the picking behavior settings of your tool, then try again.
SIGNAL_002	The digital outputs for the picking behavior of this tool are not unique.	Adjust the picking behavior settings of your tool, then try again.
SIGNAL_003	This category does not contain any I/Os to read from.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
SIGNAL_004	Invalid index ({{ index_or_name }}), the index must be between 1 and {{ length }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_005	Invalid name, '{{ index_or_name }}' is not a valid I/O name.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_006	Custom I/O names must be unique.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_007	This robot does not come with signals of the category '{{ category }}'. This function therefore cannot be used.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
SIGNAL_008	Only the value of outputs can be written, inputs are read-only.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_009	Invalid value, only bools or 0/1 value can be written to digital outputs.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_010	Invalid value, only numeric values can be written to analog outputs.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
SIGNAL_011	Invalid analog output value, must be in the range [{{ value_min }}, {{ value_max }}].	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_012	Custom I/O names must be unique.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_013	Unknown setting '{{ name }}'.	Restart the controller.
SIGNAL_014	Invalid start address: {{ value }}. Must be a positive number.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_015	Data unpacking failed: {{ error }}. You probably try to access invalid Modbus addresses.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIGNAL_016	{{ error_class }}: {{ error }}	■ Check that the external Modbus device is in the same network as the robot. ■ Check that the external Modbus device and its registers work properly standalone before connecting it to the robot.
SIGNAL_017	Could not connect to Modbus device at IP address {{ ip }}	■ Check that the external Modbus device is in the same network as the robot. ■ Check that the external Modbus device and its registers work properly standalone before connecting it to the robot.
SIGNAL_018	Modbus not connected, cannot read or write data.	■ Check that the external Modbus device is in the same network as the robot. ■ Check that the external Modbus device and its registers work properly standalone before connecting it to the robot.
SIGNAL_019	Modbus already connected, cannot change its settings.	■ Disconnect the external Modbus device. ■ If the error persists, power down the external Modbus device, then power it up again. ■ If the error persists, restart the controller.

Error Code	Message	Remedy
SIGNAL_020	Modbus function call failed (Exception Code: {{ exception_code }})	Make sure to read or write the correct Modbus register and that you apply a valid value on writing.
SOCKET_001	The connection closed while trying to receive a message.	■ Make sure the settings of server and client are compatible (address, port, encoding standard, end character). ■ Adapt the connection or communication according to the error message.
SOCKET_002	The address '{{ address }}' of the server is already in use.	■ Make sure the settings of server and client are compatible (address, port, encoding standard, end character). ■ Adapt the connection or communication according to the error message.
SOCKET_003	The address '{{ address }}' is incompatible with the network setup.	■ Make sure the settings of server and client are compatible (address, port, encoding standard, end character). ■ Adapt the connection or communication according to the error message.
SOCKET_004	Connection refused. The server cannot handle more than {{ max_connections }} connections.	■ Make sure the settings of server and client are compatible (address, port, encoding standard, end character). ■ Adapt the connection or communication according to the error message.
SOCKET_005	The client was closed while it was waiting for a connection.	■ Make sure the settings of server and client are compatible (address, port, encoding standard, end character). ■ Adapt the connection or communication according to the error message.

Error Code	Message	Remedy
SOCKET_006	Could not establish a connection with {{ address }}.	■ Make sure the settings of server and client are compatible (address, port, encoding standard, end character). ■ Adapt the connection or communication according to the error message.
SOCKET_007	A message could not be decoded with the '{{ encoding_standard }}' decoding standard.	■ Make sure the settings of server and client are compatible (address, port, encoding standard, end character). ■ Adapt the connection or communication according to the error message.
SOCKET_008	The address '{{ address }}' is incompatible with the network setup.	■ Make sure the settings of server and client are compatible (address, port, encoding standard, end character). ■ Adapt the connection or communication according to the error message.
STATUS_001	Waiting for the running process to terminate took too long. If the status does not automatically change to 'ready', please restart the robot.	Follow the instructions in the error message.
STATUS_002	The status '{{ status }}' is invalid. Possible options are: {{ available_status }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
STATUS_003	The status kind '{{ status_kind }}' cannot be reserved. Reservable states are: {{ reservable_status }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.

Error Code	Message	Remedy
STATUS_004	The status kind '{{ status_kind }}' requires the control status of the low level controller to be '{{ expected_controller_status }}' but it is '{{ actual_controller_status }}'.	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
STATUS_005	Another running thread owns the status. The reserved status is '{{ reserved_status }}'.	Restart the controller.
STATUS_006	The status '{{ status }}' is invalid. Possible options are: {{ available_status }}	■ There might be an internal module incompatibility. ■ Restart the controller, then try again. ■ If the error persists, you should update the software to a newer version.
STATUS_007	Undefined reaction to the interrupt behavior '{{ interrupt_behavior }}'.	Restart the controller.
TCP_001	Missing argument in function call: '{{ action }} <{{ argument }}>'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
TCP_002	Missing argument in function call: '{{ action }} <{{ argument }}>'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
TCP_003	Missing argument in function call: '{{ action }} <{{ argument }}>'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
TCP_004	Missing argument in function call: '{{ action }} <{{ argument_1 }}> <{{ argument_2 }}>'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
TCP_005	Missing argument in function call: '{{ action }} <{{ argument }}>'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
TCP_006	Missing argument in function call: '{{ action }} <{{ argument }}>'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
TCP_007	The argument '{{ argument }}' must be JSON decodable.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
THREAD_001	The following error interrupted normal functionality. {{ error_type }}: {{ error }}	Restart the controller.

Error Code	Message	Remedy
THREAD_002	The following error interrupted normal functionality. {{ error_type }}: {{ error }}	■ Reconnect the interface (e.g. reload the page, including clearing browser cache). ■ If the error persists, restart the controller.
AX_1001	Slave with ID '{{ 0 }}', name '{{ 1 }}': Recovery timed out.	■ There is no connection to one or more devices, see error message. ■ Possible defective part: Cable connecting to the device which has no connection. ■ Possible defective part: "Motor Unit"
AX_1002	Hardware parameter setup: Slave with ID '{{ 0 }}' has unknown name: '{{ 1 }}'	■ There is no connection to one or more devices, see error message. ■ Possible defective part: Cable connecting to the device which has no connection. ■ Possible defective part: "Safety PLC" ■ Possible defective part: "Main I/O Board" or "Tool I/O Board" ■ Possible defective part: "Motor Unit"
AX_1003	EtherCAT slave setup is incorrect. Expected exactly one slave with name '{{ 0 }}', but found: {{ 1 }}	■ There is no connection to one or more devices, see error message. ■ Possible defective part: Cable connecting to the device which has no connection. ■ Possible defective part: "Safety PLC" ■ Possible defective part: "Main I/O Board" or "Tool I/O Board" ■ Possible defective part: "Motor Unit"
AX_101	Could not recover AX robot.	Restart the controller.
AX_102	Could not recover robot from a SS1 violation.	There has been a safety violation. Resolve named safety violation.
AX_103	Could not recover robot from a SS2 violation.	There has been a safety violation. Resolve named safety violation.
AX_104	Could not recover robot due to active protective stop.	There has been a safety violation. Resolve named safety violation.

Error Code	Message	Remedy
AX_2001	Could not verify validity of the safety PLC PDO reading	Restart the controller.
AX_2011	Unsupported safety PLC protocol version '{{ 0 }}' (expected one of: {{ 1 }}). Please make sure the correct configuration is uploaded to the safety PLC.	Restart the controller.
AX_251	Temperature check failed on axis {{ 0 }}. Temperature was {{ 1 }} degC, which is higher than the threshold {{ 2 }} degC. Please let the robot cool down.	■ Load on motors is too high. Reduce payload, speed, acceleration or duty cycle. ■ Power down the robot.
AX_2901	Motor Error Codes: {{ 0 }}	Follow the instructions in the error message.
AX_2902	A violation on the safety signal of the HGC button was detected. Please power cycle the robot to recover.	Restart the controller.
AX_2903	Position discrepancy limit was violated on axis '{{ 0 }}'. Please power cycle the robot to recover.	Restart the controller.
AX_2904	Current discrepancy limit was violated on axis '{{ 0 }}'. Please power cycle the robot to recover.	Restart the controller.
AX_2905	I2T protection of axis '{{ 0 }}' is active. Please let the robot cool down.	■ Load on motors is too high. Reduce payload, speed, acceleration or duty cycle. ■ Power down the robot.
AX_2906	Measured temperature of axis '{{ 0 }}' is too high. Please let the robot cool down.	■ Load on motors is too high. Reduce payload, speed, acceleration or duty cycle. ■ Power down the robot.
AX_3001	Could not verify validity of the motor controller PDO reading	■ Restart the controller. ■ Possible defective part: "Motor Unit"
AX_3002	Could not verify validity of the output encoder PDO reading. Please move robot slightly and try to power up again.	Follow the instructions in the error message.
AX_3801	Could not verify validity of the IMU PDO reading.	Restart the controller.
AX_3802	Could not power up robot: The provided gravity vector {{ 0 }} [base frame] / {{ 1 }} [IMU frame] differs from the gravity measured by the IMU: {{ 2 }} [IMU frame]. The difference of {{ 3 }} is higher than the tolerance of {{ 4 }}.	■ Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again. ■ Ask a user with proper authentication to perform this task.

Error Code	Message	Remedy
AX_3901	Axis {{ 0 }}: Magnitude of position offset must be <= 5 degrees (actual: {{ 1 }}). Please adjust robot and config accordingly.	- Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again. - Ask a user with proper authentication to perform this task.
AX_59001	Operation not supported in simulation mode: {{ 0 }}	Execute this action on a non-simulated robot.
AX_59002	Simulated error: '{{ 0 }}'	Execute this action on a non-simulated robot.
AX_59003	EtherCAT state mismatch in AX simulator.	Execute this action on a non-simulated robot.
CFG_101	Failed to set up axis '{{ 0 }}'.	Restart the controller.
CFG_102	Failed to set up joint '{{ 0 }}'.	Restart the controller.
CFG_103	Failed to set up link '{{ 0 }}'.	Restart the controller.
CFG_104	Failed to set up custom capsule.	Restart the controller.
CFG_105	Definition for '{{ 0 }}' must be x, y, z.	Restart the controller.
CFG_106	Value of '{{ 1 }}' ({{ 0 }}) is invalid.	Restart the controller.
CFG_11	Missing value '{{ 0 }}' in section '{{ 1 }}'; robot voltage: {{ 2 }}, hardware version: {{ 3 }}.	Restart the controller.
CFG_12	Could not find gripper link with name '{{ 0 }}'. Please check your agrip.config or pgrip2.config file.	Restart the controller.
CFG_1301	Definition for '{{ 0 }}' must be x1, y1, z1, x2, y2, z2, radius.	Restart the controller.
CFG_1311	Attempt to define check_intersect with self.	Restart the controller.
CFG_1312	Attempt to define check_intersect with unknown link '{{ 0 }}'.	Restart the controller.
CFG_1313	Links referenced in check_intersect must be previously defined, but link '{{ 0 }}' comes later in config.	Restart the controller.
CFG_1511	Calibrated translation {{ 0 }} is too far from nominal value {{ 1 }}; allowed tolerance (norm): {{ 2 }}.	Restart the controller.
CFG_1512	Calibrated rotation {{ 0 }} is too far from nominal value {{ 1 }}; allowed tolerance (angular distance): {{ 2 }}.	Restart the controller.
CFG_201	Position safety margin is too high (value: {{ 0 }}).	Restart the controller.
CFG_51	Wrong robot arm type '{{ 0 }}'.	Restart the controller.
CFG_52	Unknown joint kind '{{ 0 }}'.	Restart the controller.

Error Code	Message	Remedy
CFG_53	Unknown axis name '{{ 0 }}'.	Restart the controller.
CFG_54	Unknown link name '{{ 0 }}'.	Restart the controller.
CFG_55	Invalid joint kind for this operation: '{{ 0 }}'.	Restart the controller.
CKM_1001	The unit rotation axis must contain three elements.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CKM_1002	Only the restraint kind 'Free' is valid without additional arguments.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CKM_101	Target out of range.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_102	Target out of range: Could not determine {{ 0 }} angle, target pose: {{ 1 }}	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_103	Target out of range: Joint 1/2/3 angles are: {{ 0 }} {{ 1 }} {{ 2 }} ; pose at J7: {{ 3 }}	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_104	Target out of range: All {{ 0 }} solution(s) are violating joint limits.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_11	Could not build kinematic chain: No links defined.	Restart the controller.
CKM_12	Could not build kinematic chain: Some joints have no link.	Restart the controller.
CKM_13	Not enough link configs: {{ 0 }} joint config(s), {{ 1 }} link config(s)	Restart the controller.
CKM_1501	Unknown Restraint kind '{{ 0 }}' for numerical inverse kinematics.	Restart the controller.

Error Code	Message	Remedy
CKM_1502	A non-zero rotation axis is required for the free rotation axis restraint.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_1503	Maximum random previous angles must be smaller than: {{ 0 }}	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_1504	No numerical solution found. Increase either tolerance or maximum iterations.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_1505	No numerical solution found. Either the target pose is not reachable or the algorithm did not converge.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_2511	Could not add rotor inertia for: '{{ 0 }}', parent: '{{ 1 }}'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CKM_2512	Unsupported joint type: {{ 0 }} on axis {{ 1 }}	Restart the controller.
CKM_3001	Analytical kinematics: Calibrated robot geometry is required.	Restart the controller.
CKM_3501	Chosen kinematic configuration {{ 0 }} is invalid (valid range is {{{ 1 }}, {{ 2 }}}).	Restart the controller.
CKM_501	No closest angles found.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CKM_502	No valid iterated angles found. Increase step size.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_101	Parse error.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_102	Failed to parse axis.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
CMD_103	Failed to parse json command '{{ 0 }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_104	Failed to parse LED mode '{{ 0 }}'.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_105	Parameter '{{ 0 }}': Must be an array.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_11	Could not enter mode: '{{ 0 }}'	Restart the controller.
CMD_11001	Invalid 'points' element at index {{ 0 }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_111	Number of '{{ 0 }}' must be equal to number of '{{ 1 }}' (actual: {{ 2 }}, {{ 3 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_11101	Could not switch from Manual Mode to Automatic Mode.	There has been a safety violation. Resolve named safety violation.
CMD_112	Parameter '{{ 0 }}': Must not be empty.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_121	Unknown command: '{{ 0 }}'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_122	Unknown command type for move_axes: '{{ 0 }}'	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_151	Usage: {{ 0 }}	Follow the instructions in the error message.
CMD_201	Expected a 'status' result, but got: '{{ 0 }}'	Restart the controller.
CMD_202	Expected an OK status, but got an error. Operating mode: '{{ 0 }}', message: {{ 1 }}	Restart the controller.
CMD_203	Initialization failed. Message: {{ 0 }}	Restart the controller.
CMD_5011	Value must be 'all' or between 1 and {{ 0 }} (actual: {{ 1 }}).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
CMD_59001	Simulation mode not supported with robot arm type '{{ 0 }}'.	Execute this action on a non-simulated robot.
CTL_1001	CurrentReferenceGenerator::add_plane() failed at index {{ 0 }}.	Restart the controller.

Error Code	Message	Remedy
CTL_10011	Robot is not calibrated.	Select a calibration routine to run during power-up. This routine must calibrate all actuators.
CTL_111	Please switch to manual mode. Actual position violates limit.	- Follow the instructions in the error message. - Switch to Manual Mode to resolve safety violations
CTL_112	Target position violates limit.	- A motion command could not be executed. - Adjust your function arguments according to the error message, then try again.
CTL_201	{{ 1 }} is violating workspace boundary {{ 0 }}.	- Follow the instructions in the error message. - Switch to Manual Mode to resolve safety violations
CTL_203	Robot is close to a self collision between {{ 0 }} and {{ 1 }}.	-
CTL_204	Axis {{ 0 }}: Position {{ 1 }} about to hit limit {{ 2 }} with velocity {{ 3 }}, deceleration {{ 4 }}.	- A motion command could not be executed. - Adjust your function arguments according to the error message, then try again.
CTL_205	Safety controller: Position limits [{{ 0 }}, {{ 1 }}] are too narrow on axis {{ 2 }}.	Restart the controller.
CTL_206	Safety controller: Position {{ 0 }} on axis {{ 1 }} is too close to limits (expected: inside [{{ 2 }}, {{ 3 }}]).	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
CTL_2111	Axis {{ 0 }}: Position control error; actual: {{ 1 }}, commanded: {{ 2 }}	Load on motors is too high. Reduce payload, speed, acceleration or duty cycle.
CTL_2112	Could not proceed motion. Axis {{ 0 }}: Position difference {{ 1 }} degrees exceeds limit.	- There has been a safety violation. Resolve named safety violation. - Restart the controller.
CTL_2113	Could not proceed motion. Axis {{ 0 }}: Velocity {{ 1 }} degrees per second exceeds limit.	- There has been a safety violation. Resolve named safety violation. - Restart the controller.
CTL_311	Safety controller: Joint angle limit change would cause sudden jump on axis {{ 0 }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
CTL_312	Workspace limits or boundaries changed while intersecting with robot. A change would cause a sudden jump.	- Switch to Manual Mode to resolve safety violations - Restart the controller.
CTL_313	Workspace limit or boundary change would cause {{ 0 }} intersection(s) and a sudden jump, not changing.	- Switch to Manual Mode to resolve safety violations - Restart the controller.
CTL_314	Cannot activate intersection controller while self or workspace boundary intersections are present.	- Switch to Manual Mode to resolve safety violations - Restart the controller.
CTL_501	Desired velocity must not be zero (actual: {{ 0 }})	- A motion command could not be executed. - Adjust your function arguments according to the error message, then try again.
CTL_601	Trapezoid algorithm: Could not calculate path due to negative time value: {{ 0 }}	Restart the controller.
CTL_602	Trapezoid algorithm: Acceleration or deceleration is too small to reach target velocity.	- A motion command could not be executed. - Adjust your function arguments according to the error message, then try again.
CTL_603	The minimum calculated position of {{ 0 }} is smaller than the lower position limit of {{ 1 }}. This can be avoided by choosing poses further away from the joint limits.	- A motion command could not be executed. - Adjust your function arguments according to the error message, then try again.
CTL_604	The maximum calculated position of {{ 0 }} is larger than the upper position limit of {{ 1 }}. This can be avoided by choosing poses further away from the joint limits.	- A motion command could not be executed. - Adjust your function arguments according to the error message, then try again.
CTL_605	Trapezoid algorithm: Could not calculate path due to negative discriminant: {{ 0 }}	- A motion command could not be executed. - Adjust your function arguments according to the error message, then try again.

Error Code	Message	Remedy
CTL_606	Trapezoid algorithm: The required distance cannot be covered with the given parameters.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
CTL_701	Position reference generator ran out of points.	Restart the controller.
CTL_801	Cannot set filter interval in position limiter while robot is still moving.	Follow the instructions in the error message.
CTL_802	Filter interval needs to be in range (0.000, {{ 0 }})s, but is {{ 1 }}s.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
ECAT_1001	SOEM library error code: {{ 0 }}	Follow the instructions in the error message.
ECAT_101	Could not reset safety PLC after {{ 0 }} attempts.	Restart the controller.
ECAT_1011	Could not create EtherCAT interface.	Restart the controller.
ECAT_1012	EtherCAT bus is already in use.	Restart the controller.
ECAT_1013	Could not initialize SOEM interface with device name '{{ 0 }}'. Make sure to execute with root rights.	Restart the controller.
ECAT_1014	Could not initialize EtherCAT connection.	■ Restart the controller. ■ There is no connection to one or more devices, see error message. ■ Possible defective part: Cable connecting to the device which has no connection. ■ Possible defective part: "Safety PLC" ■ Possible defective part: "Main I/O Board" or "Tool I/O Board" ■ Possible defective part: "Motor Unit"
ECAT_1015	Could not configure distributed clock.	Restart the controller.
ECAT_1016	I/O map size {{ 0 }} is too large (expected: <= {{ 1 }}).	Restart the controller.

Error Code	Message	Remedy
ECAT_11	Failed to initialize EtherCAT slave with ID '{{ 0 }}', name '{{ 1 }}'	- Restart the controller. - There is no connection to one or more devices, see error message. - Possible defective part: Cable connecting to the device which has no connection. - Possible defective part: "Safety PLC" - Possible defective part: "Main I/O Board" or "Tool I/O Board" - Possible defective part: "Motor Unit"
ECAT_1101	Function '{{ 0 }}' failed.	Restart the controller.
ECAT_1111	SOEM interface could not read file '{{ 0 }}'.	Restart the controller.
ECAT_1112	SOEM interface could not write file '{{ 0 }}'.	Restart the controller.
ECAT_12	Expected exactly 1 EtherCAT slave '{{ 0 }}', but found {{ 1 }}. A total of {{ 2 }} slaves were found in the network.	- There is no connection to one or more devices, see error message. - Possible defective part: Cable connecting to the device which has no connection. - Possible defective part: "Safety PLC" - Possible defective part: "Main I/O Board" or "Tool I/O Board" - Possible defective part: "Motor Unit"
ECAT_1211	Failed to read {{ 0 }} SDO byte(s) from slave {{ 1 }}; index/subindex: {{ 2 }}/{{ 3 }}.	Restart the controller.
ECAT_1212	Failed to write SDO value '{{ 0 }}' to slave {{ 1 }}; index/subindex: {{ 2 }}/{{ 3 }}.	Restart the controller.
ECAT_13	Could not find any slaves on the network.	- There is no connection to one or more devices, see error message. - Possible defective part: Cable connecting to the device which has no connection. - Possible defective part: "Safety PLC" - Possible defective part: "Main I/O Board" or "Tool I/O Board" - Possible defective part: "Motor Unit"

Error Code	Message	Remedy
ECAT_14	Could not configure slaves. Make sure that the motors are connected to the EPC.	- There is no connection to one or more devices, see error message. - Possible defective part: Cable connecting to the device which has no connection. - Possible defective part: "Motor Unit"
ECAT_15	Error during robot update: Slave with ID '{{ 0 }}' is not enabled. Statusword was: {{ 1 }}	Restart the controller.
ECAT_1501	EtherCAT connection could not set state to {{ 0 }} during attempt #{{ 1 }}.	Restart the controller.
ECAT_1502	EtherCAT connection could not set state to {{ 0 }} after {{ 1 }} attempt(s).	Restart the controller.
ECAT_16	Waiting for slave state change to '{{ 0 }}' timed out. Slaves in unexpected state: {{ 1 }}	Restart the controller.
ECAT_1601	Mismatch of '{{ 0 }}' on joint {{ 1 }}: Drive value: {{ 2 }}; expected or configured value: {{ 3 }}	Restart the controller.
ECAT_1602	Invalid motor config parameter '{{ 0 }}' on joint {{ 1 }}: Drive value: {{ 2 }}.	- Restart the controller. - Possible defective part: "Motor Unit"
ECAT_1603	Invalid motor config. Functional safety over ethercat (FSOE) is not enabled on joint {{ 0 }}.	- Restart the controller. - Possible defective part: "Motor Unit"
ECAT_17	Not all slaves are in expected state '{{ 0 }}'. Slaves in unexpected state: {{ 1 }}	Restart the controller.
ECAT_1701	EtherCAT device {{ 0 }} with slave ID {{ 1 }}: Unsupported firmware version: {{ 2 }} (expected: one of {{ 3 }})	Run the update again or select a different method for running the update.
ECAT_1702	Motor controller with slave ID {{ 0 }}: Firmware version {{ 1 }} is inconsistent with first motor controller which has {{ 2 }}.	Run the update again or select a different method for running the update.
ECAT_1703	Forced firmware update was triggered.	Restart the controller.
ECAT_1704	Forced firmware update was not triggered or failed.	Run the update again or select a different method for running the update.
ECAT_18	Could not recover slave with ID {{ 0 }}: Unknown status word: {{ 1 }}	Restart the controller.
ECAT_19	Failed to parse slave configuration data: {{ 0 }}	Restart the controller.

Error Code	Message	Remedy
ECAT_201	MCM detected an error with its internal multiturn count. Multiturn count of joint {{ 0 }} is {{ 1 }}, output encoder position is {{ 2 }} degrees.	■ Ask a user with proper authentication to perform this task. ■ Log in as Service user and navigate to 'Multiturn Recovery'. For the affected joint, enter the actual physical angle and apply it.
ECAT_2011	EtherCAT connection could not transmit process data.	Restart the controller.
ECAT_202	MCM detected an alignment error with the encoders of joint {{ 0 }}. Output encoder position is {{ 1 }}, while drive encoder position is {{ 2 }}.	■ Ask a user with proper authentication to perform this task. ■ Possible defective part: "Motor Unit"
ECAT_203	AX servicer detected invalid encoder source on slave '{{ 0 }}' (expected: motor side encoder).	Restart the controller.
ECAT_204	AX servicer detected invalid encoder sensor on slave '{{ 0 }}' (expected: motor side encoder).	Restart the controller.
ECAT_205	Could not verify validity of the SDO output encoder reading. Please move the robot slightly and try to power up again.	Follow the instructions in the error message.
LIC_101	Failed to verify license.	Restart the controller.
LIC_102	License file version '{{ 0 }}' is not supported (expected: '{{ 1 }}').	Restart the controller.
LIC_103	Bad license.	Restart the controller.
MATH_1011	Flat vector to matrix conversion: Expected {{ 0 }} * {{ 1 }} elements (actual: {{ 2 }}).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MATH_1012	Expected symmetric matrix for {{ 0 }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MATH_1101	Rotation matrix is not orthogonal. Frobenius deviation of $R^T R$ from identity: {{ 0 }}, matrix: {{ 1 }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MATH_1102	Rotation matrix must have determinant 1 (actual: {{ 0 }}).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MATH_111	{{ 0 }}: Must not contain NaN values.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
MATH_112	Attempt to compute {{ 0 }} of empty vector.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MATH_201	Could not parse '{{ 0 }}' into an integer.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
MCM_1001	Unhandled error in server loop; reinitializing.	Restart the controller.
MCM_101	Please specify --robot or set environment variable ARM_TYPE.	Restart the controller.
MCM_102	Invalid action '{{ 0 }}'. Please check the '--action' command line flag.	Restart the controller.
MCM_103	Invalid format '{{ 0 }}'. Please check the '--format' command line flag.	Restart the controller.
MCM_104	Invalid CPU affinity '{{ 0 }}'. Please use an integer ≥ -1 for '--cpu'.	Restart the controller.
MCM_201	Output loop terminating.	Restart the controller.
MISC_201	Safety PLC Error Bits: {{ 0 }}.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_202	STO as a result of an SS1.	There has been a safety violation. Resolve named safety violation.
MISC_203	STO due to violation of an SOS.	There has been a safety violation. Resolve named safety violation.
MISC_204	Please release the normal stop button. SS1 due to normal stop.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_205	Please release the emergency stop button. SS1 due to emergency stop button.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_206	Please release the teach pendant emergency stop button. SS1 due to teach pendant emergency stop button.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_207	Please release the protective stop button.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.

Error Code	Message	Remedy
MISC_208	Please press the enable button to move the robot. SS2 as a result of manual mode.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_209	SS1 due to violation of {{ 0 }} linear speed.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_210	SS1 due to violation of {{ 0 }} angular speed.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_211	Please switch to manual mode. SS2 due to violation of {{ 0 }} workspace boundaries.	- Follow the instructions in the error message. - Switch to Manual Mode to resolve safety violations
MISC_212	Please switch to manual mode. SS2 due to violation of {{ 0 }} joint position limits.	- Follow the instructions in the error message. - Switch to Manual Mode to resolve safety violations
MISC_213	SS2 after collision due to violation of {{ 0 }} force limits.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_214	Reset required after operating mode switch. Make sure the enabled button is released. SS2 as a result of mode switch reset.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_215	Please release the protective stop button. SS1 due to protective stop button.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MISC_216	Please release the protective stop button. SS2 due to protective stop button.	- Follow the instructions in the error message. - There has been a safety violation. Resolve named safety violation.
MOV_101	Error on axis {{ 0 }}.	Restart the controller.
OS_101	Operating System error code (errno): {{ 0 }}, message: {{ 1 }}	Follow the instructions in the error message.

Error Code	Message	Remedy
OS_11001	Program '{{ 0 }}' already running with process ID {{ 1 }}, lock file name: {{ 2 }}	Restart the controller.
OS_11011	Failed to handle signal '{{ 0 }}'. Something already handles this signal.	Restart the controller.
OS_11012	Failed to handle signal '{{ 0 }}'.	Restart the controller.
OS_1301	Couldn't set CPU affinity for {{ 0 }}. Make sure process has root privileges.	Restart the controller.
OS_1302	Couldn't set scheduling priority for {{ 0 }}. Make sure process has root privileges.	Restart the controller.
OS_1401	Couldn't lock process memory. Make sure process has root privileges.	Restart the controller.
OS_1402	Couldn't increase process priority. Make sure process has root privileges.	Restart the controller.
OS_201	Could not create socket object.	Restart the controller.
OS_2011	Failed to open file '{{ 0 }}' for reading.	Restart the controller.
OS_2012	Failed to remove file '{{ 0 }}'.	Restart the controller.
OS_202	Could not set socket for immediate reuse.	Restart the controller.
OS_203	Could not bind socket to address: {{ 0 }}	Restart the controller.
OS_2301	Call to fcntl(): Could not get flags.	Restart the controller.
OS_2302	Call to fcntl(): Could not set flags.	Restart the controller.
OS_251	Call to setsockopt(): Could not set socket option '{{ 0 }}'.	Restart the controller.
OS_252	Could not get socket options.	Restart the controller.
OS_301	Could not set receive timeout for socket.	Restart the controller.
OS_411	Could not connect to server.	Restart the controller.
OS_412	Could not establish connection to server.	Restart the controller.
OS_413	Could not connect to server due to timeout.	Restart the controller.
OS_451	Could not set socket to listen.	Restart the controller.
OS_452	Could not accept incoming connection.	Restart the controller.
OS_501	Call to select() failed.	Restart the controller.
OS_502	Connecting by select() not in progress.	Restart the controller.
OS_503	Error in select() during connection attempt.	Restart the controller.
OS_504	Timeout in select() during connection attempt.	Restart the controller.
OS_601	Could not send message.	Restart the controller.

Error Code	Message	Remedy
OS_602	Could not send all characters.	Restart the controller.
OS_651	Could not receive message.	Restart the controller.
OS_701	Invalid port number: {{ 0 }} (must be between 0 and 65535)	Restart the controller.
OS_702	Invalid IPv4 address: '{{ 0 }}'	Restart the controller.
OS_711	Call to getnameinfo() failed.	Restart the controller.
OS_801	Data size of {{ 0 }} is too large (expected: < {{ 1 }}).	Restart the controller.
OS_802	Data size is {{ 0 }} (expected: >= 0).	Restart the controller.
PPM_101	No segment was specified.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_102	CKM error.	Follow the instructions in the error message.
PPM_103	Configuration change.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_104	Detected mid path configuration change (joint {{ 0 }} velocity: {{ 1 }}, tool velocity: {{ 2 }}).	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_105	The blend radius of the first segment needs to be 0 but is {{ 0 }}.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_106	Pose {{ 0 }} cannot be outside of blending sphere with center {{ 1 }} and radius {{ 2 }}.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.

Error Code	Message	Remedy
PPM_107	Invalid segment blending: Segment of type '{{ 0 }}' (ID {{ 1 }}) has blend radii of {{ 2 }} and {{ 3 }} but the total length is only {{ 4 }}. This would result in a length of {{ 5 }} which is smaller than the minimum required length of {{ 6 }}.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_108	The configuration {{ 0 }} of the target pose of the PoseSegment is not valid.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_11	Could not generate path.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_12	Middle pose position must be different from start and end pose.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_13	Start pose must be different from the pose.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_14	Failed to create segment of type '{{ 0 }}'	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_151	Segment of type '{{ 0 }}' requires a change in position.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PPM_152	Segment of type '{{ 0 }}' requires a change in orientation.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.

Error Code	Message	Remedy
PPM_1701	Segment type '{{ 0 }}' does not support direction calculation.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PYAPI_1011	List must have 4 or 9 elements.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
PYAPI_111	Conversion of Python list to vector failed.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PYAPI_112	Conversion of Python list to quaternion failed.	■ A motion command could not be executed. ■ Adjust your function arguments according to the error message, then try again.
PYAPI_1211	Failed to parse definition of robot joint '{{ 0 }}'.	Restart the controller.
PYAPI_1212	Failed to parse definition of robot link '{{ 0 }}'.	Restart the controller.
PYAPI_1213	Failed to parse geometric capsule.	Restart the controller.
SIG_1011	Signal at index {{ 0 }}: Does not exist.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIG_1012	Signal at index {{ 0 }}: Not configurable.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIG_1013	Signal at index {{ 0 }}: Only digital inputs may be in pull up mode.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIG_1014	Signal at index {{ 0 }}: Digital inputs may not be in current mode.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIG_1015	Signal at index {{ 0 }}: Digital I/Os may not switch between input and output.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIG_1101	Signal at index {{ 0 }}: Is not an output, value not set.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
SIG_1102	Signal at index {{ 0 }}: Desired value {{ 1 }} is negative, not set.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.

Error Code	Message	Remedy
SYS_1	Internal error: {{ 0 }}	Restart the controller.
SYS_2	System exception of type {{ 0 }}, message: {{ 1 }}	Restart the controller.
SYS_3	Error handling: Duplicate module tag: {{ 0 }}	Restart the controller.
TLC_101	Command {{ 0 }} not supported in mode {{ 1 }}.	Restart the controller.
TLC_102	Command {{ 0 }} with {{ 1 }} not supported in mode {{ 2 }}.	Restart the controller.
TLC_103	Ignored control gripper request.	Follow the instructions in the error message.
TLC_104	Ignored release or hold request while robot is handling a collision.	Follow the instructions in the error message.
TLC_11	Aborting due to setup or unexpected error.	Follow the instructions in the error message.
TLC_12	Error during disconnect stop routine.	Restart the controller.
TLC_201	{{ 0 }} error during controller safety check.	There has been a safety violation. Resolve named safety violation.
TLC_51	Command handler could not secure robot.	Restart the controller.
TLC_52	Error during robot update.	Follow the instructions in the error message.
TLC_53	Error during robot checks.	Follow the instructions in the error message.
TLC_56	Entering high damping mode after collision of axis {{ 0 }}.	Follow the instructions in the error message.
TLC_701	Robot update step discovered timestamp inaccuracy. Time: {{ 0 }}, messages skipped: {{ 1 }}	Restart the controller.
TLC_702	Robot state is not up to date: Time delta: {{ 0 }} ms (expected: < {{ 1 }} ms).	Restart the controller.
TLC_703	Update until target reached function timed out after {{ 0 }} seconds.	Restart the controller.
TLC_801	Robot has no mounted or configured gripper.	Restart the controller.
UTIL_1	Function not implemented, location: {{ 0 }}:{{ 1 }}	Restart the controller.
UTIL_101	Condition check failed: {{ 0 }}	Follow the instructions in the error message.
UTIL_1011	Element '{{ 0 }}' doesn't exist	Restart the controller.
UTIL_1012	Numeric conversion to {{ 0 }} {{ 1 }} type with {{ 2 }} digits failed, source value: {{ 3 }}	Restart the controller.
UTIL_1013	Attempt to construct null NonNullPtr<> to type {{ 0 }}	Restart the controller.

Error Code	Message	Remedy
UTIL_1014	Error with untranslated message: {{ 0 }}	Restart the controller.
UTIL_102	List must have {{ 0 }} elements (actual: {{ 1 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_103	{{ 0 }}: List must have {{ 1 }} elements (actual: {{ 2 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_11	Assertion failure: {{ 0 }}, location: {{ 1 }}:{{ 2 }}	Restart the controller.
UTIL_1101	{{ 0 }}: Duplicate {{ 1 }}: {{ 2 }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_12	Assertion failure: {{ 0 }} ({{ 2 }}) == {{ 1 }} ({{ 3 }}), location: {{ 4 }}:{{ 5 }}	Restart the controller.
UTIL_121	Value of '{{ 0 }}': Must be > 0 (actual: {{ 1 }}).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_122	Value of '{{ 0 }}': Must be >= 0 (actual: {{ 1 }}).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_123	All values of '{{ 0 }}': Must be > 0.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_124	All values of '{{ 0 }}': Must be >= 0.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_125	Value of '{{ 0 }}': Must be <= {{ 2 }} (actual: {{ 1 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_126	Value of '{{ 0 }}': Absolute value must be <= {{ 2 }} (actual: {{ 1 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_127	Value of '{{ 0 }}': Must be >= {{ 2 }} (actual: {{ 1 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_128	Value of '{{ 0 }}': Absolute value must be == {{ 2 }} (actual: {{ 1 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_129	Value of '{{ 0 }}': '{{ 1 }}' is not allowed.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_13	Assertion failure: {{ 0 }} ({{ 2 }}) <= {{ 1 }} ({{ 3 }}), location: {{ 4 }}:{{ 5 }}	Restart the controller.

Error Code	Message	Remedy
UTIL_130	Value of '{{ 0 }}' must be <= value of '{{ 1 }}' (actual: {{ 2 }}, {{ 3 }}).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_131	Value of '{{ 0 }}' must be >= value of '{{ 1 }}' (actual: {{ 2 }}, {{ 3 }}).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_132	Value of '{{ 0 }}': Must be equal to {{ 2 }} (actual: {{ 1 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_133	Value of '{{ 0 }}': Must be < {{ 2 }} (actual: {{ 1 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_134	Value of '{{ 0 }}': Must be > {{ 2 }} (actual: {{ 1 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_14	Assertion failure: {{ 0 }} ({{ 2 }}) < {{ 1 }} ({{ 3 }}), location: {{ 4 }}:{{ 5 }}	Restart the controller.
UTIL_141	{{ 0 }}: {{ 1 }} must be within range {{ 2 }} but is {{ 3 }}.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_1501	Invalid hexadecimal character (int): {{ 0 }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_1502	Invalid binary character in string '{{ 0 }}' (all must be 0 or 1).	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_161	Argument {{ 0 }} is not valid for command {{ 1 }}. Valid arguments are: {{ 2 }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_162	Required argument {{ 0 }} for command {{ 1 }} was not provided.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_163	Expected an array object.	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_164	Failed to parse interval [lower_bound, upper_bound].	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_2	Internal error, location: {{ 0 }}:{{ 1 }}	Restart the controller.
UTIL_201	Cannot create a time interval with negative value {{ 0 }}	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_3	Null pointer, location: {{ 0 }}:{{ 1 }}	Restart the controller.

Error Code	Message	Remedy
UTIL_301	{{ 0 }}: value {{ 1 }} violates lower bound {{ 2 }} (tolerance {{ 3 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_302	{{ 0 }}: value {{ 1 }} violates upper bound {{ 2 }} (tolerance {{ 3 }})	Adjust your inputs (e.g. text, function arguments, checkboxes) according to the error message, then try again.
UTIL_4	Undefined value for '{{ 0 }}'.	Restart the controller.
UTIL_51	Could not open log file, path: {{ 0 }}	Restart the controller.
UTIL_511	Command line parser: Argument '{{ 0 }}' was not specified by add_option() or add_parameter()	Restart the controller.
UTIL_512	Command line parser: Argument '{{ 0 }}' was passed twice.	Restart the controller.
UTIL_513	Command line parser: No argument was passed for '{{ 0 }}'.	Restart the controller.
UTIL_514	Command line parser: Missing option '{{ 0 }}'.	Restart the controller.
UTIL_515	Command line parser: Input '{{ 0 }}' does not exist.	Restart the controller.
UTIL_516	Command line parser: An input called '{{ 0 }}' already exists as '{{ 1 }}'.	Restart the controller.
UTIL_52	Duplicate install attempt of log {{ 0 }}, can only be installed once.	Restart the controller.
UTIL_53	Log {{ 0 }} must be installed before being used.	Restart the controller.
UTIL_59901	Test error, argument: {{ 0 }}	Restart the controller.