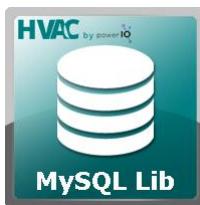


# Datasheet MySQL Library SL



The **MySQL Library SL** enables a direct connection between a MySQL database and a CODESYS V3 controller application to read and write data – without additional drivers or software on the controller.

For more information: <https://support.powerio.com/hub/codesys-hvac/mysql-library/description>

**Without license acquisition (download only), the MySQL Library SL operates for 30 minutes without functional limitations (Demo).**

## Description

The **MySQL Library SL** enables a direct connection between a MySQL database and a CODESYS V3 control application to read and write data – without additional drivers or software on the controller.

Description and documentation: [MySQL Library](#)

Standard SQL operations such as **INSERT, SELECT, UPDATE, DELETE** as well as additional commands (e.g. ALTER, DROP, etc.) are supported.

## Use Cases

- Continuously write measured values, meter readings, and production data into tables
- Read configuration data or recipes from the database
- Provide historical data for trends and analysis
- Hand off data for further processing to third-party systems (ERP, SCADA, reporting)

## Key Features

- Direct connection to external or internal MySQL databases
- No additional drivers or middleware required on the PLC
- Storage of large data volumes from the controller (e.g. IoT/field device data)
- Example project (CFC/ST) with visualization for a quick start

## Manufacturer

<b>Supplier</b>	powerIO GmbH
<b>Address</b>	Eberhardstr. 65, 70173 Stuttgart, Deutschland
<b>E-Mail</b>	<a href="mailto:office@powerio.com">office@powerio.com</a>
<b>Support Page</b>	<a href="https://support.powerio.com/">https://support.powerio.com/</a>
<b>Support E-Mail</b>	<a href="mailto:support@powerio.com">support@powerio.com</a>

## General Information

<b>Product</b>	MySQL Library SL
<b>Article Number</b>	2112000006
<b>Scope of Delivery</b>	MySQL Library, Example Project
<b>Demo/Test Mode</b>	30 minutes
<b>Distribution</b>	CODESYS Store – <a href="https://store.codesys.com">https://store.codesys.com</a>

## System Requirements and Limitations

<b>Programming System</b>	CODESYS Development System V3.5.16.30 or higher
<b>Runtime System</b>	CODESYS Control V4.2.0.0 or higher
<b>Supported Platforms</b>	All CODESYS runtime systems in the specified version

## Licensing



**Single device license:** The license can be used on the controller where the CODESYS runtime system is installed.

License activation is done on a software-based license container (soft container) that is permanently bound to the controller. Alternatively, the license can be stored on a CODESYS Key (USB dongle). By plugging the CODESYS Key into a different controller, the license can be used on that controller.

Without license acquisition (download only), the library functions for 30 minutes without functional limitations (Demo).

**License:** MySQL Library SL License

**Note:** Use the "Device Reader" project to determine the functions supported by the controller. "Device Reader" is available free of charge in the CODESYS Store.