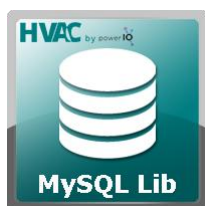


Datasheet MySQL Library SL



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

Supplier	powerIO GmbH
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Support Page	https://support.powerio.com/
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General Information

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

System Requirements and Limitations

Programming System	CODESYS Development System V3.5.16.30 or higher
Runtime System	CODESYS Control V4.2.0.0 or higher
Supported Platforms	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.