



# Legal Information

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# Introduction

## TeSys Master Range

TeSys is an innovative motor control and management solution from the global market leader. TeSys offers connected, efficient products and solutions for switching and protection of motors and electrical loads in compliance with all major global electrical standards.

## Overview

TeSys™ island DTM library is a software component which represents a package of one DTM namely TeSys island device DTM.

## TeSys island DTM Library Release History

The DTM library versions are listed in the following table.

Date	DTM library version	Availability
November 2021	2.3.1	Available for SoMove, EcoStruxure Machine Expert, and EcoStruxure Control Expert integration.
September 2021	2.3.0	Available for SoMove, EcoStruxure Machine Expert, and EcoStruxure Control Expert integration.
July 2021	2.2.2	Available for SoMove, EcoStruxure Machine Expert, and EcoStruxure Control Expert integration.
May 2020	2.2.1	Available for SoMove and EcoStruxure Machine Expert integration.
June 2019	1.1.0	Available for SoMove and EcoStruxure Machine Expert integration.

# Prerequisites

## Operating Systems

The following operating systems are supported for DTM library:

- Microsoft Windows 7 SP1 32/64-bit
- Microsoft Windows 10

**NOTE:** For Windows 7 SP1 machines, install the package from the [Microsoft Download Center](#) to enable support of TLS 1.22 before installing the TeSys island DTM library.

## Software Requirements

The TeSys island DTM library requires the following software installed on the PC:

- Microsoft .NET Framework v3.5 SP1
- EcoStruxure Control Expert v15.0 SP1 or EcoStruxure Machine Expert v1.2.7 or higher or SoMove v2.9
- Modbus DTM Library v2.6.12 or later

## Hardware Requirements

The following hardware requirements are recommended on the PC to install the TeSys island DTM library:

Equipment	Minimum requirement	Recommended requirement
Processor	Pentium 4/Core 2 Duo, 2 GHz	Intel® Core™ i3
RAM	2 GB	4 GB
Display	<b>Resolution:</b> 1024 x 768, 1366 x 768, 1600 x 1900, and 1920 x 1080 pixels	<b>Resolution:</b> 1600 x 1900 and 1920 x 1080 pixels
	<b>DPI:</b> 96 (100%) and 120 (125%)	<b>DPI:</b> 96 (100%) and 120 (125%)
Free hard disk space on system drive	1 GB	2 GB

# TeSys island DTM Library Versions

## DTM Library Version 2.3.1

### Bugs Fixed

Installer issue in TeSys island DTM library version 2.2.2.

## DTM Library Version 2.3.0

### New Features

Dahlander motor control is added for Motor Two Speeds avatar.

### Known Issues

The following are the known issues in this version for TeSys island DTM library:

- **Load from Device** does not work when there are more than 16 SIL starters in the configuration.

This issue exists in all the previous DTM library versions.

**Workaround:** Save the configurations in SoMove or EcoStruxure Machine Expert software and connect to the device without using **Load from Device**.

- After reconnecting to the device, the forced mode status indication of avatar input is not correct for Motor Two Speeds avatar.

**Workaround:** Close and open the project again in the configuration software.

## DTM Library Version 2.2.2

### New Features

The following new features are added in this version for TeSys island DTM library:

- EcoStruxure Control Expert Classic v15.0 SP1 and later
- PLC Modicon M580 series

### Known Issues

The following are the known issues in this version for TeSys island DTM library:

- EcoStruxure Control Expert Classic support
  - Only DTM version 2.2.2 or later works with EcoStruxure Control Expert Classic software
  - Supports only PLC Modicon M580 (Modicon M340 not supported)
  - Supports only Modbus TCP protocol (Ethernet/IP support not supported)

**NOTE:** To add the TeSys island DTM in the EcoStruxure Control Expert Classic software, select **Modbus over TCP** protocol in **Add** window. For more information, refer to the [EcoStruxure Control Expert Classic - Quick Start Guide](#).

- It is recommended to choose short and meaningful names for DTM instances in DTM browser of EcoStruxure Control Expert.
- For Analog IO Avatar, Analog Output Type value 4 mA/20 mA does not work. It is recommended to use the value 0 mA/20 mA.

- When the TeSys island DTM instance is copied and pasted in the Control Expert DTM browser, the DDT types for new island is not displayed unless the solution is built.
- In **Diagnostics > Counters > Trip Record Register** table for switch avatar, the trip timestamp is not displayed as expected.

## DTM Library Version 2.2.1

### New Features

The following new features are added in this version for TeSys island DTM library:

- The following TeSys avatars are updated with the Process Variable (PV) inputs and advanced control modes (Local Control, Manual Mode Override, and Bypass mode):
  - Motor One Direction
  - Motor Two Directions
  - Motor Two Speeds
  - Motor Y/D One Direction
  - Motor Y/D Two Directions
  - Motor Two Speeds Two Directions
- Added Predictive Alarms (PA) for the following TeSys avatars:
  - Motor One Direction
  - Motor Two Directions
  - Motor Two Speeds
  - Motor Y/D One Direction
  - Motor Y/D Two Directions

## DTM Library Version 1.1.0

First version of the DTM library.

# Installation and Uninstallation of TeSys island DTM Library

## Installation

The user must have the administrator role to install the TeSys island DTM library software component.

## Uninstallation

Invoking the installation procedure of TeSys island DTM library will result in a conventional way to notify the user to remove, to modify, or to repair the existing setup.

## Troubleshooting

<b>Problem</b>	<b>Probable cause</b>	<b>Solution</b>
Not possible to instantiate TeSys island DTM	Some of the common components that are required for DTM operation may be uninstalled by other softwares.	Reinstall the DTM library.

## Related Documents

<b>Title of documentation</b>	<b>Reference number</b>
TeSys™ island System Guide	8536IB1901EN (English)
TeSys™ island Installation Guide	8536IB1902EN (English)
TeSys™ island Operating Guide	8536IB1903EN (English)
TeSys™ island EtherNet/IP™ Quick Start Guide	8536IB1906EN (English)

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DOCA0238EN-01