

# SoMachine V4.3

## PreventaSupport Add-On

### Release Notes

07/2019



RN0000000008.00

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All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

Failure to use Schneider Electric software or approved software with our hardware products may result in injury, harm, or improper operating results.

Failure to observe this information can result in injury or equipment damage.

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# Table of Contents

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	<b>Safety Information</b> .....	<b>5</b>
	<b>About the Book</b> .....	<b>7</b>
<b>Chapter 1</b>	<b>Product Information</b> .....	<b>9</b>
	Product Information .....	<b>9</b>
<b>Chapter 2</b>	<b>Library Information</b> .....	<b>11</b>
	Library Information .....	<b>11</b>



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# Safety Information

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## Important Information

### NOTICE

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

## **DANGER**

**DANGER** indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

## **WARNING**

**WARNING** indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

## **CAUTION**

**CAUTION** indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

## **NOTICE**

**NOTICE** is used to address practices not related to physical injury.

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## PLEASE NOTE

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

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# About the Book

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## At a Glance

### Document Scope

This document contains important information on the new features and the installation of the PreventaSupport Add-on for SoMachine V4.3.

This software package is an update for the SoMachine V4.3 and contains the new library PreventaSupport\_V1.0.5.0. Read the complete document before you use the product or products that are described in here.

### Validity Note

The information in this Release Notes document is only applicable for PreventaSupport compatible products. This document has been created for the release of the PreventaSupport\_V1.0.5.0.

The technical characteristics of the devices described in the present document also appear online. To access the information online:

Step	Action
1	Go to the Schneider Electric home page <a href="http://www.schneider-electric.com">www.schneider-electric.com</a> .
2	In the <b>Search</b> box type the reference of a product or the name of a product range. <ul style="list-style-type: none"><li>• Do not include blank spaces in the reference or product range.</li><li>• To get information on grouping similar modules, use asterisks (*).</li></ul>
3	If you entered a reference, go to the <b>Product Datasheets</b> search results and click on the reference that interests you. If you entered the name of a product range, go to the <b>Product Ranges</b> search results and click on the product range that interests you.
4	If more than one reference appears in the <b>Products</b> search results, click on the reference that interests you.
5	Depending on the size of your screen, you may need to scroll down to see the datasheet.
6	To save or print a datasheet as a .pdf file, click <b>Download XXX product datasheet</b> .

The characteristics that are presented in the present document should be the same as those characteristics that appear online. In line with our policy of constant improvement, we may revise content over time to improve clarity and accuracy. If you see a difference between the document and online information, use the online information as your reference.





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# Chapter 1

## Product Information

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### Product Information

#### Overview

This document describes the PreventaSupport Add-on for SoMachine V4.3.

#### Product Identification

Reference	Description	Version	Build	Date
Library_PreventaSupport_V1.0.5.0_4.3.0.0_19.04.26.885.seco	Provides the library PreventaSupport for diagnostic and maintenance tasks of a Preventa safety-related module.	V1.0.5.0	19.04.26.885	April 26, 2019

#### Release History

Version	Release Date	Description
V1.0.5.0	April 26, 2019	First release

#### System Requirements

SoMachine V4.3

#### Compatibility

The PreventaSupport Add-on is compatible with:

- Logic Controller
  - Modicon M241
  - Modicon M251
- XPSU modules
  - XPSUAB\*\*\*\*
  - XPSUAF\*\*\*\*
  - XPSUAK\*\*\*\*
  - XPSUAT\*\*\*\*\*
  - XPSUDN\*\*\*\*
  - XPSUS\*\*\*\*

## Installation Instructions

**NOTE:** This software package must be used only with SoMachine V4.3.

You can receive the patch (\*.SECO) locally:

- Double-click the patch 1 SECO file.
  - The EcoStruxure Machine Expert Configuration Manager opens and guides you through the installation process.
- Open the EcoStruxure Machine Expert Configuration Manager manually from the start menu, click the tab **AddOn**, and select **From file...**
  - The file explorer opens where you can select the patch 1 SECO file.
  - Once you have selected the patch, you are guided through the installation process.

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## Chapter 2

### Library Information

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#### Library Information

#### New Features

Name	Features	Description
PreventaSupport_V1.0.5.0	The new PreventaSupport library provides features for diagnostic and maintenance purposes with Preventa XPS safety-related modules.	<ul style="list-style-type: none"><li>● The PreventaSupport library provides the <code>FB_PreventaDiag</code> and <code>FB_PreventaMain</code> function blocks.</li><li>● The <code>FB_PreventaDiag</code> function block decodes the bit sequence applied to its dedicated input and delivered from a Preventa XPS safety-related module via the auxiliary module output <code>Z1</code>.</li><li>● The <code>FB_PreventaMain</code> function block evaluates the diagnostic code which was decoded by the <code>FB_PreventaDiag</code> function block to execute calculations regarding maintenance and life cycle of the components, and to monitor the cyclical proof tests.</li></ul>