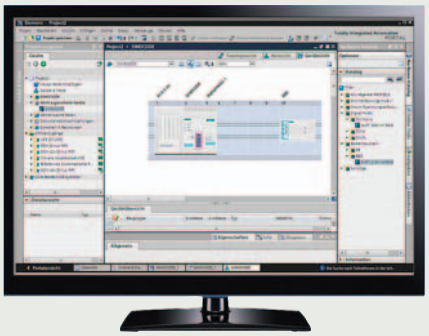
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	Price groups PG 368, 41L, 42C, 42D, 42J, 42K, 42S
14/2	**Introduction**
14/4	**Simulation Tool for Soft Starters (STS)**
14/5	**SIRIUS Soft Starter ES (TIA Portal)** NEW
14/8	**SIRIUS 3RW soft starter block library for SIMATIC PCS 7**
14/10	**Motor Starter ES**
14/13	**SIMOCODE ES (TIA Portal)** NEW
14/17	**SIMOCODE pro block library for SIMATIC PCS 7** NEW
14/22	**AS-Interface block library for SIMATIC PCS 7**
14/24	**SIRIUS Safety ES (TIA Portal)** NEW
14/27	**SIRIUS Sim** NEW

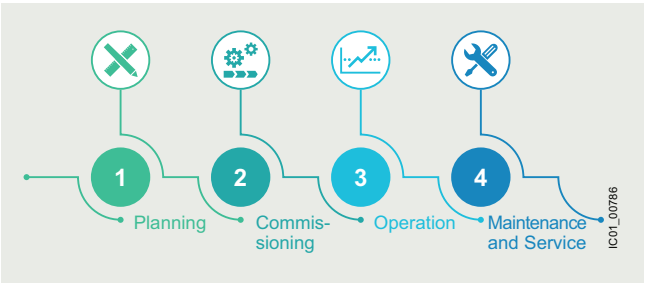
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Overview

More information

SiePortal, see www.siemens.com/product_catalog_siep?3ZS1

International competition, enormous cost pressure and time constraints, higher productivity and quality: Equipment and system planners and operators face a wide range of challenges in executing projects as efficiently and cost-effectively as possible. We provide extensive support in this process with our SIRIUS software applications to help users achieve the best possible results with SIRIUS products in a targeted and efficient manner.



Software applications for all phases of the project

Support provided by SIRIUS software applications is strongly oriented to the needs of the user in the specific phases of the project.

Planning

The TIA Selection Tool can be used for selection, configuration and ordering of SIRIUS products. Intelligent selection wizards check the compatibility of the configured components and enable error-free ordering, see page 15 or www.siemens.com/tst.

Assistance with standard-compliant dimensioning and electrical planning is provided by Control Panel Design (CPD). At the push of a button you receive the appropriate switching and protection devices for your motor, including standard-compliant cable cross-sections and short-circuit values for fuseless and fused load feeders, see page 8 or www.siemens.com/cpd.

Convenient soft starter design is possible using the Simulation Tool for Soft Starters (STS), see page 14/4.

Commissioning

The engineering programs of the SIRIUS ES software family are used for parameterization and commissioning of all software-configurable SIRIUS devices (such as SIMOCODE, soft starters and motor starters and 3SK2 safety relays).

The SIRIUS simulation tool can be used to quickly and easily test the generated functions and configurations in an office environment without having to be connected to any device see page 14/27 onwards.

The corresponding devices can also be easily and conveniently installed into the SIMATIC PCS 7 process control system with the PCS 7 block library, e.g. for SIMOCODE, soft starters, and AS-Interface. For details about the various packages, see the following individual product descriptions.

Operation

Seamless embedding of SIRIUS devices in the Totally Integrated Automation Portal (TIA Portal) provides a variety of possibilities for operation and monitoring, e.g. with SIMATIC WinCC.

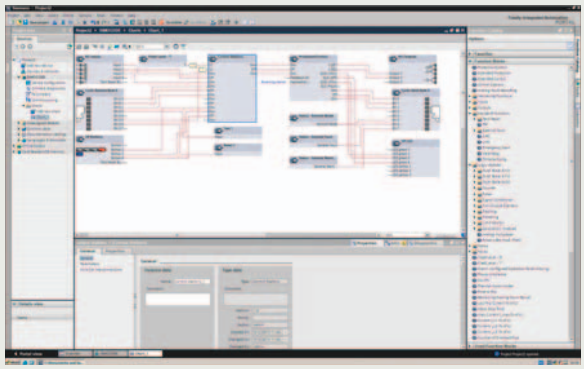
In addition, a detailed evaluation and optimization of the device status as well as alarms and error messages can be carried out by means of a data connection to Insights Hub and a corresponding application.

Maintenance and Service

The engineering programs of the SIRIUS ES software family also provide support in this phase for diagnostics of the basic and fast SIRIUS devices and for detecting and easily eliminating faults. For details about the various packages, see the following individual product descriptions.

Engineering software

The SIRIUS ES programs, such as SIRIUS Safety ES, SIMOCODE ES or SIRIUS Soft Starter ES, are based on the central engineering framework Totally Integrated Automation Portal (TIA Portal), which provides users with a consistent, efficient and intuitive solution for all automation tasks. Thus, the TIA Portal is also the integrated working environment for the programs in the SIRIUS software family. The same operator control concept, the elimination of interfaces and a high degree of user-friendliness make it possible to quickly integrate SIRIUS devices into an automation process and start them up with the TIA Portal.



Efficient engineering and commissioning with graphic user interfaces and simple network and device configuration

The SIRIUS ES programs (TIA Portal), such as SIRIUS Safety ES, SIRIUS Soft Starter ES and SIMOCODE ES are available in two versions, which differ in terms of user-friendliness, scope of functions and price:

- Basic
  The Basic version contains all basic functions that are needed to parameterize devices. These include both parameterization functions and also operator control, diagnostics and test functions.
  It is available as a free download in SiePortal.
- Professional
  The Professional versions contain the complete functionality of the software packages. The functionality includes communication functions such as access via PROFIBUS/PROFINET and S7 routing.

The SIRIUS ES program Motor Starter ES is available in three versions (Basic, Standard, Premium) which differ in their user-friendliness, scope of functions and price.

Note:

The scope of functions depends on the SIRIUS ES program, see the individual product description for details.

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Types of licenses

The following license types are available for the programs of the SIRIUS ES software family:

- Floating license – the license for any one user
  - Authorizes any one user
  - Independent of the number of installations (unlike the single license which is allowed to be installed once only)
  - Only the actual use of the program has to be licensed
  - License for parallel use of the TIA Portal version and of Version 2007 of SIRIUS ES (combo license)
- Trial license (free use of all program functions for 14/21 days for testing and evaluation purposes, included on every product CD/DVD, available in the download file of the SIRIUS ES program in the Service&Support portal).

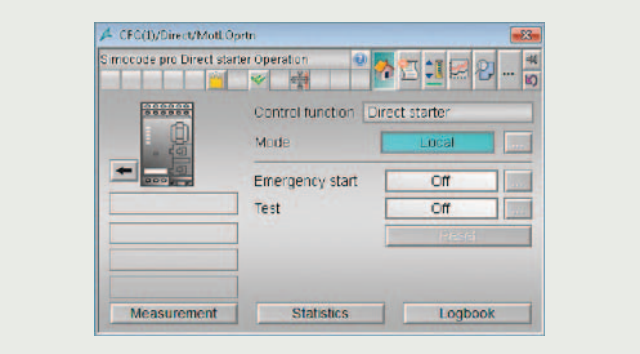
The following versions are also available for a number of programs of the SIRIUS ES software family:

- Upgrade
  Switching from an old to a new version with expanded functions, e.g. upgrade from SIMOCODE ES 2007 to SIMOCODE ES V20.

Types of delivery

- License/software download
  Simply download your new software and license key from the internet via the Online Software Delivery (OSD) platform. After you have placed your order in SiePortal, you will receive your access data by email, which will allow you to immediately download the license or software you have ordered. Online Software Delivery therefore saves you time, costs and CO_2! For more information, see https://support.industry.siemens.com/cs/ww/en/view/109759444.
- Software Update Service
  To keep you up to date at all times, we offer a special service which automatically supplies you with all the service packs and upgrades within the SIRIUS ES (TIA Portal) range of programs.
- Package delivery
  The software is on a DVD and is delivered together with the license on a USB flash drive.

Block libraries for SIMATIC PCS 7



Advanced Process Library (APL) – faceplate and block for control of the SIMOCODE pro block library for PCS 7

The corresponding devices can be easily and conveniently installed into the SIMATIC PCS 7 process control system with the PCS 7 block library, e.g. for SIMOCODE, soft starters, and AS-Interface. PCS 7 block libraries contain the diagnostics and driver blocks corresponding with the diagnostics and driver concept of SIMATIC PCS 7 as well as the elements (symbols and faceplate) required for operator control and monitoring.

Types of delivery and licenses

The PCS 7 block libraries supplied on CD-ROM or by license/software download allow users to run the required engineering software on the engineering station (single license) including the runtime software for executing the AS blocks in an automation system (single license). If the AS blocks are to be used in additional automation systems, the corresponding number of runtime licenses are required.

Notes on security

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens products and solutions represent one component of such a concept.

For more information on industrial cybersecurity, see www.siemens.com/cybersecurity-industry.

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Simulation Tool for Soft Starters (STS)

Overview



Easy input of motor and load data

More information

Simulation Tool for Soft Starters (STS), see https://support.industry.siemens.com/cs/ww/en/view/101494917

The Simulation Tool for Soft Starters (STS) provides a convenient means of designing soft starters using a simple, quick and user-friendly operator interface. Entering the motor and load data will simulate the application and prompt suggestions for suitable soft starters.



STS app

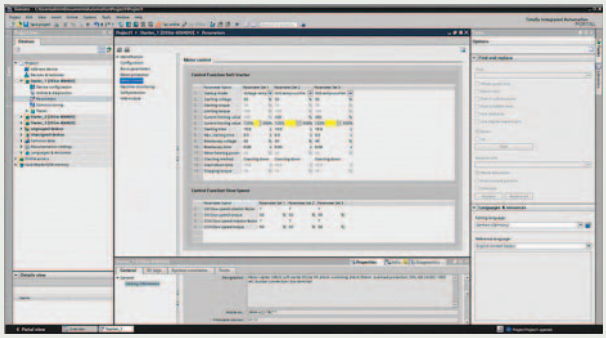
The Simulation Tool for Soft Starters (STS) is available as a free download for Windows and as an app (for Android and iOS), see More information.

Benefits

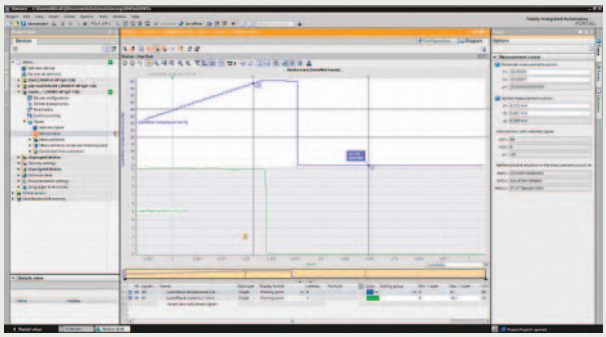
- Simple, quick and user-friendly user interface
- Detailed and up-to-date Siemens and Innomotics motor database, including IE3 and IE4 motors
- Simulation of heavy starting up to Class 30
- Update-capable (e.g. motors, load types, functions)
- Fast simulations with minimum input data
- Immediate, graphical curve charts of start operations with limit values
- View in table form of suitable soft starters for the application
- Interface for simulating the 3RW soft starters with the motor and application data entered with SIRIUS Sim

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Overview



Easy and clearly arranged parameter setting of the SIRIUS 3RW55 soft starter with SIRIUS Soft Starter ES (TIA Portal)



Graphic presentation of measured values with the trace function (oscilloscope function) of SIRIUS Soft Starter ES (TIA Portal) Professional

More information

Technical specifications and system requirements, see https://support.industry.siemens.com/cs/ww/en/ps/24230/td

Download of the Basic version of Soft Starter ES, see https://support.industry.siemens.com/cs/ww/en/view/109974067

The SIRIUS Soft Starter ES (TIA Portal) software permits quick and easy parameterization, monitoring and diagnostics of SIRIUS 3RW5 soft starters for service purposes. The device parameters can be configured directly on the PC and transferred to the soft starter through a serial cable or an optional PROFIBUS/PROFINET interface.

The powerful SIRIUS Soft Starter ES Basic tool for commissioning engineers or maintenance personnel is available as a free download in SiePortal, see More information.

SIRIUS Soft Starter ES is integrated seamlessly when further TIA Portal-based software such as STEP 7 or WinCC is available, thus enabling users to achieve a consistent, efficient and intuitive solution for all automation tasks.

However, use of SIRIUS Soft Starter ES as stand-alone software also provides these advantages.

Efficient engineering with two program versions

The SIRIUS Soft Starter ES (TIA Portal) software program is available in two versions, which differ in their user-friendliness, scope of functions and price.

SIRIUS Soft Starter ES	Basic	Professional
Access via the local interface on the device	✓	✓
Parameter assignment	✓	✓
Operating	✓	✓
Diagnostics	✓	✓
Expert list	--	✓
Parameter comparison (from V18 also possible offline/offline)	--	✓
Service data (min/max pointer, statistics data)	--	✓
Trace	--	✓
Access via PROFIBUS/PROFINET	--	✓
Routing	--	✓
Bulk engineering (group function)	--	✓

✓ Function available

-- Function not available

Additional functions

SIRIUS Soft Starter ES offers numerous advantages of the TIA Portal that can be used in an integrated working environment.

Seamless integration

When using other TIA Portal-based software such as STEP 7 or WinCC, for example, the configuration for devices and networks for all components used is created in a standardized environment.

Working with libraries

Users can create copy templates for SIRIUS 3RW55 soft starter device configuration and can manage them in global or project libraries. This way, individual modules, diagrams and complete device configurations can be saved as reusable elements for frequently occurring tasks.

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SIRIUS Soft Starter ES (TIA Portal) NEW

Benefits

- Transparent setting of the device functions and their parameters – online and offline
- Effective diagnostics functions on the soft starter and display of the most important measured values
- Trace function (oscilloscope function) for recording measured values and events (only in the Professional software version).
- Complete transparency thanks to printout, logbook and event memory
- Parameter comparison of two configured soft starters in offline project using the Compare Editor of the TIA Portal
- In the device wizard and the parameter editor, suitable parameter values for specific applications of a soft starter can be selected for the project
- High degree of user-friendliness – convenient user interface, with English, German, French, Italian, Spanish and Chinese as possible operating languages
- Time savings thanks to shorter startup times
- Fast, low-cost licensing using a simple licensing procedure (available online too)

Selection and ordering data

SIRIUS Soft Starter ES (TIA Portal) parameterization and service software for SIRIUS 3RW5 soft starters

- Delivered without PC cable

	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
SIRIUS Soft Starter ES V20 Basic						
	Basic functional scope including Professional Trial License Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), online functions via system interface Type of delivery: Software and documentation available as a free download, see https://support.industry.siemens.com/cs/ww/en/view/109974067					
SIRIUS Soft Starter ES V20 Professional						
 3ZS1320-6CE16-0YB5	**Floating license for one user** Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), Combo license for parallel use of versions 2007 and V20 of SIRIUS ES, communication via system interface or PROFIBUS/PROFINET Type of delivery: • Software and documentation as a download and floating license as a download	**3ZS1320-6CE16-0YB5**		1	1 unit	42S
 3ZS1320-6CC14-0YE5	**Upgrade for Soft Starter ES 2007 Standard/Premium** Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), Combo license for parallel use of versions 2007, V18, V19 and V20 of SIRIUS ES, online functions via system interface or PROFIBUS/PROFINET Type of delivery: • Software and documentation on DVD and floating license on USB flash drive	**3ZS1320-6CC14-0YE5**		1	1 unit	42S

Notes:

Soft Starter ES Standard and Premium V14 to V15.1 licenses and Soft Starter ES V16 to V18 Professional licenses can also be used for Soft Starter ES V20 Professional.

Save time, costs and CO_2 by using the download option!

For a description of the software versions, see page 14/5.

* You can order this quantity or a multiple thereof.
Illustrations are approximate

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Accessories

Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Optional accessories					
 3RW5950-0CH00					
Optional communications modules for SIRIUS 3RW5					
• PROFINET High Feature with integrated switch	**3RW5950-0CH00**		1	1 unit	42S
• PROFINET Standard	**3RW5980-0CS00**		1	1 unit	42S
• PROFIBUS	**3RW5980-0CP00**		1	1 unit	42S
• EtherNet/IP	**3RW5980-0CE00**		1	1 unit	42S
• Modbus RTU	**3RW5980-0CR00**		1	1 unit	42S
• Modbus TCP	**3RW5980-0CT00**		1	1 unit	42S

*** You can order this quantity or a multiple thereof.**
Illustrations are approximate

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Overview

More information

Technical specifications, see
https://support.industry.siemens.com/cs/ww/en/ps/16710/td

Overview of the available versions including programming manuals, Getting Started, updates and hotfixes, compatibility check for 3RW52 and 3RW55, see
https://support.industry.siemens.com/cs/ww/en/view/109770336

The SIRIUS 3RW soft starter PCS 7 block library can be used for simple and convenient integration of SIRIUS 3RW52 and 3RW55 soft starters into the SIMATIC PCS 7 process control system. The PCS 7 block library contains the diagnostics and driver blocks corresponding to the SIMATIC PCS 7 diagnostics and driver concept as well as the elements (symbols and faceplates) required for operator control and monitoring.

Integrated functionality for optimal process control for all process control systems

In addition to the general sensor technology, the motor feeder data are increasingly being integrated into the process control system. By integrating the SIRIUS 3RW52 and 3RW55 soft starters into the process control system it becomes possible to prevent errors in the motor feeder simply and reliably, or to detect these errors quickly and rectify them. Downtimes are reduced to a minimum or can be prevented before they happen.

For example, the output and display of the key measured values, calculated by the SIRIUS 3RW52 and 3RW55 soft starters, are also a good aid for being able to assess and monitor the current system status.

Convenient integration with the PCS 7 block library

The PCS 7 block library can be used for easy and convenient integration of SIRIUS 3RW52 and 3RW55 soft starters into the SIMATIC PCS 7 process control system. The focus here is simple configuration. Functioning of the blocks is based on the PCS 7 standard libraries and is optimally harmonized with the functions of these soft starters.

Users who have previously integrated motor feeders into conventional technology via signal blocks and motor or valve blocks or, for example, already have experience with SIMOCODE blocks, are easily able to switch to SIRIUS 3RW52 and 3RW55.

All blocks required for the automation systems are provided by the PCS 7 block library – as are the block icons and faceplates for the operator station required for operator control and monitoring.

With the integration of the SIRIUS 3RW52 and 3RW55 into SIMATIC PDM, the system-wide device parameterization and diagnostics of these soft starters are possible from a central point.

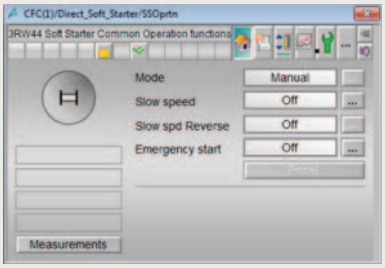
Motor block for direct control of the drive

The low-voltage motors started and protected by SIRIUS 3RW52 and 3RW55 soft starters can be integrated into the process automation via the motor blocks. This means that they form the interface between the process control system and the motors controlled by these soft starters.

To reduce the amount of configuring work required, functions for signal processing and technological functions are integrated into one motor block.

The important measured value – the current in the motor feeder – is recorded via the soft starter and monitored for motor protection. The motor current is accessible from the I&C system via the motor blocks.

The block icons and faceplates for the motor blocks display the motor feeders on the operator station and provide all the required information for monitoring and control as well as detailed diagnostics.



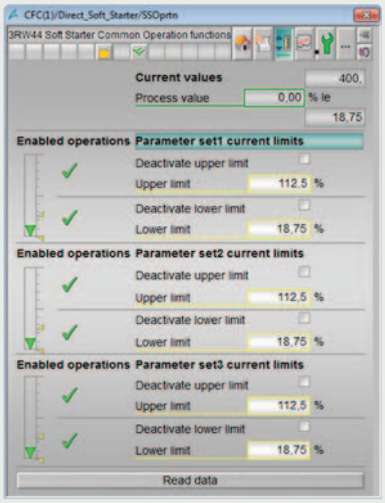
Faceplate of the motor block

Evaluation of additional motor feeder measurements

All measured values calculated by the soft starter, such as current, voltage and output of the feeder, are displayed and output via the measured value blocks. A key advantage here is that a wide range of information on important motor feeder measurements is available where required, e.g. for load monitoring.

The SIRIUS 3RW52 and 3RW55 soft starters are not only able to detect measured values here, but also to react if these values are exceeded or undershot, for example, via custom settings – with a motor shut-down or with a warning.

The faceplate for the measured values is accessed from the motor block faceplate.



Faceplate for measured values

Evaluation of maintenance-related motor feeder data

The SIRIUS 3RW52 and 3RW55 soft starters have powerful functions to detect and monitor maintenance-related motor feeder data. For example, the operating and downtimes of the motor, operating cycles and overload tripping events are detected and stored directly on the device. If required, the information already on the device is available via the statistics block in the I&C system. The display is provided on a separate faceplate for the statistics block on the operator station.

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Benefits

- Uniform and continuous integration into SIMATIC PCS 7
- Standardized blocks for simple integration and optimal operation
- With Advanced Process Library (APL)
- Greater process transparency due to greater information density in the I&C system
- System-wide device parameterization and diagnostics with SIMATIC PDM

Selection and ordering data

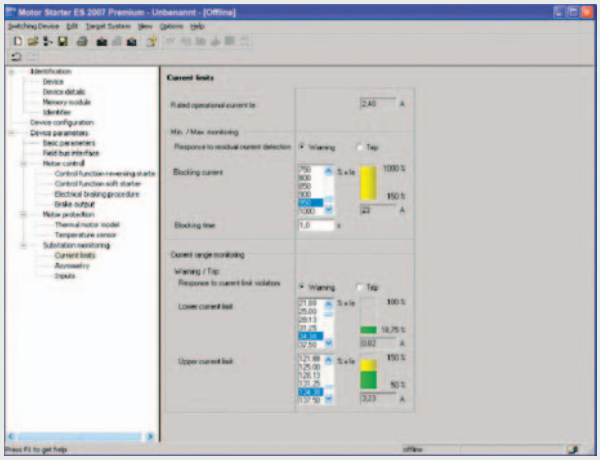
	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
SIRIUS 3RW52 and 3RW55 soft starter block library for SIMATIC PCS 7 version V10 with Advanced Process Library (APL)						
3ZS1633-1XE52-0YA0	**Engineering software V10** For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating SIRIUS 3RW52 and 3RW55 into the PCS 7 process control system with Advanced Process Library, for PCS 7 version V10 Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1633-1XE52-0YA0**		1	1 unit	42S
3ZS1633-2XE52-0YB0	**Runtime license V10** For execution of the AS blocks in an automation system (single license) Required for using the AS blocks of the engineering software V10 on an additional automation system within a plant Type of delivery: One license for one automation system, without software and documentation • Certificate of License (CoL) in electronic form (OSD)[1]	**3ZS1633-2XE52-0YB0**		1	1 unit	42S
SIRIUS 3RW52 and 3RW55 soft starter block library for SIMATIC PCS 7 version V9.1 with Advanced Process Library (APL)						
3ZS1633-1XE51-0YA0	**Engineering software V9.1** For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating SIRIUS 3RW52 and 3RW55 into the PCS 7 process control system with Advanced Process Library, for PCS 7 version V9.1 Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1633-1XE51-0YA0**		1	1 unit	42S
3ZS1633-2XE51-0YB0	**Runtime license V9.1** For execution of the AS blocks in an automation system (single license) Required for using the AS blocks of the engineering software V9.1 on an additional automation system within a plant Type of delivery: One license for one automation system, without software and documentation • Certificate of License (CoL) in electronic form (OSD)[1]	**3ZS1633-2XE51-0YB0**		1	1 unit	42S

[1] With a Certificate of License (CoL) in electronic form, the license is supplied via Online Software Delivery (OSD) as a PDF file. Notification of this with a download link is received by email.

*** You can order this quantity or a multiple thereof.**
Illustrations are approximate

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Overview



Motor Starter ES for parameterization, monitoring, diagnostics and testing of motor starters

More information

Technical specifications and system requirements, see https://support.industry.siemens.com/cs/ww/en/ps/16713/td

Motor Starter ES is used for the commissioning, parameterization, diagnostics, documentation and preventive maintenance of SIMATIC ET 200S, ET 200pro, ECOFAST and M200D motor starters.

Interfacing is performed

- Via the local interface on the device
- With PROFIBUS DP-V1-capable motor starters from any point in PROFIBUS
  (applies to ET 200S DP V1/ET 200pro/ECOFAST/M200D)
- With PROFINET-capable motor starters from any point in PROFINET
  (applies to ET 200S DP V1/ET 200pro/M200D)

Using Motor Starter ES, the communication-capable motor starters are easily parameterized during commissioning, monitored during normal operation and successfully diagnosed for service purposes. Preventive maintenance is supported by a function for reading out diverse statistical data (e.g. operating hours, operating cycles, cut-off currents, etc.). The user is supported during these procedures with comprehensive Help functions and plain text displays.

Motor Starter ES can either be used as a stand-alone program or it can be integrated into STEP 7 via an Object Manager.

Note:

The Motor Starter ES functionalities in relation to commissioning, parameterization and diagnostics are integrated directly in the TIA Portal from V18 and are accessible online for the SIMATIC ET 200pro, ET 200SP and M200D motor starters.

Efficient engineering with three program versions

The Motor Starter ES software program is available in three versions which differ in their user-friendliness, scope of functions and price.

Motor Starter ES	Basic	Standard	Premium
ET 200S High Feature PROFIBUS IM	✓	✓	✓
ET 200S High Feature PROFINET IM	✓	✓	✓
ECOFAST AS-Interface High Feature	✓	✓	--
ECOFAST PROFIBUS	✓	✓	✓
ET 200pro PROFIBUS IM	✓	✓	✓
ET 200pro PROFINET IM	✓	✓	✓
M200D AS-Interface Standard	✓	✓	(✓)
M200D PROFIBUS	✓	✓	✓
M200D PROFINET	✓	✓	✓

✓ Function available
(✓) Available with restricted functionality
-- Function not available

Motor Starter ES	Basic	Standard	Premium
Access via the local interface on the device	✓	✓	✓
Parameter assignment	✓	✓	✓
Operating	✓	✓	✓
Diagnostics	--	✓	✓
Creation of templates	--	✓	✓
Comparison functions	--	✓	✓
Standard-compliant printout according to EN ISO 7200	--	✓	✓
Service data (min/max pointer, statistics data)	--	✓	✓
Access via PROFIBUS	--	--	✓
Access via PROFINET	--	--	✓
S7 routing	--	--	✓
STEP 7 Object Manager[1)]	--	--	✓
Trace function	--	✓	✓

✓ Function available
-- Function not available
1) Only for STEP 7 V5.x.

Additional functions

Standard-compliant printouts

The software tool greatly simplifies machine documentation. It enables parameterization printouts according to ISO 7200. The elements to be printed are easy to select and group as required.

Easy creation of templates

Templates can be created for devices or applications with only minimum differences in their parameters. These templates contain all the parameters which are needed for the parameterization. In addition it is possible to specify which of these parameters are fixed and which can be adapted, e.g. by the commissioning engineer.

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Benefits

- Fast, error-free configuration and commissioning of motor starters even without extensive previous knowledge
- Transparent setting of the device functions and their parameters – online and offline
- Effective diagnostics functions on the soft starter and display of the most important measured values
- Trace function (oscilloscope function) for recording measured values and events (included in the Motor Starter ES Standard and Premium software version for M200D, PROFIBUS and PROFINET).

Selection and ordering data

Parameterization, commissioning and diagnostics software Motor Starter ES 2007

For ECOFAST Motor Starter, SIMATIC ET 200S High Feature Starter, SIMATIC ET 200pro Starter and M200D (AS-i Standard, PROFIBUS, PROFINET)

- Delivered without PC cable

Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Motor Starter ES 2007 Basic					
 3ZS1310-4CC10-0YA5 **Floating license for one user** Engineering software in limited-function version for diagnostics purposes, class A, 3 languages (German/English/French), communication via system interface					
Type of delivery:					
• Software and documentation on CD and floating license on USB flash drive	**3ZS1310-4CC10-0YA5**		1	1 unit	42D
• Floating license as a download	**3ZS1310-4CE10-0YB5**		1	1 unit	42D
 3ZS1310-4CE10-0YB5					
Motor Starter ES 2007 Standard					
 3ZS1310-5CC10-0YA5 **Floating license for one user** Engineering software, class A, 3 languages (German/English/French), communication through the system interface					
Type of delivery:					
• Software and documentation on CD and floating license on USB flash drive	**3ZS1310-5CC10-0YA5**		1	1 unit	42D
• Floating license as a download	**3ZS1310-5CE10-0YB5**		1	1 unit	42D
 3ZS1310-5CE10-0YB5					
Motor Starter ES 2007 Premium					
 3ZS1310-6CC10-0YA5 **Floating license for one user** Engineering software, class A, 3 languages (German/English/French), communication via system interface or PROFIBUS/PROFINET, STEP 7 Object Manager					
Type of delivery:					
• Software and documentation on CD and floating license on USB flash drive	**3ZS1310-6CC10-0YA5**		1	1 unit	42D
• Floating license as a download	**3ZS1310-6CE10-0YB5**		1	1 unit	42D
 3ZS1310-6CE10-0YB5					

For a description of the software versions, see page 14/10.

*** You can order this quantity or a multiple thereof.**
Illustrations are approximate

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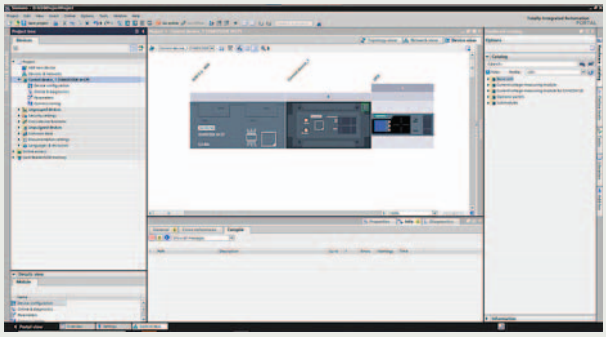
Accessories

	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Optional accessories						
	RS 232 interface cable Serial data connection between ET 200pro MS/FC, M200D and laptop/PC/PG or MS	**3RK1922-2BP00**		1	1 unit	42D
 6SL3555-0PA00-2AA0	**USB interface cable** Serial data connection between ET 200pro MS/FC, M200D and laptop/PC/PG or MS	**6SL3555-0PA00-2AA0**		1	1 unit	368
 3UF7946-0AA00-0	**USB/serial adapter** For connecting an RS 232 PC cable to the USB interface of a PC, recommended for use in conjunction with ET 200S/ECOFAST/ET 200pro motor starters	**3UF7946-0AA00-0**		1	1 unit	42J

* You can order this quantity or a multiple thereof.
Illustrations are approximate

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Overview



Selection of SIMOCODE M-CP device configuration in SIMOCODE ES (TIA Portal)

More information

SiePortal, see www.siemens.com/product_catalog_siep?3ZS1

Technical specifications, see https://support.industry.siemens.com/cs/ww/en/ps/16716/td

Software download

- SIMOCODE ES (TIA Portal), Basic functional scope including Professional Trial License, see https://support.industry.siemens.com/cs/ww/en/view/109974068
- SIMOCODE ES 2007, see https://support.industry.siemens.com/cs/ww/en/view/109750623

SIMOCODE ES is the central software for configuration, commissioning, operation and diagnostics of SIMOCODE pro 3UF7 and the new SIMOCODE M-CP 3UF8 product series.

SIMOCODE ES (TIA Portal) is available as a powerful successor to version 2007, which is based on the central engineering framework Totally Integrated Automation Portal (TIA Portal).

The engineering software is integrated seamlessly if further TIA Portal-based software such as STEP 7 or WinCC is available, thus enabling users to achieve a consistent, efficient and intuitive solution for all automation tasks.

However, use of SIMOCODE ES as stand-alone software also provides these advantages.

Two program versions

The user can choose between two versions of SIMOCODE ES:

- SIMOCODE ES Basic
- SIMOCODE ES Professional

The powerful SIMOCODE ES Basic tool for commissioning engineers or maintenance personnel is available as a free download in SiePortal, see More information.

SIMOCODE ES Professional is a perfect tool for engineers or configuration engineers with its extended scope of functions and integrated graphics editor. Unlike the Basic version, SIMOCODE ES Professional also permits parameter assignment and diagnostics via PROFIBUS/PROFINET/Ethernet and, in the case of SIMOCODE M-CP, via OPC UA (only for version V20, in both program versions). Indication of all operating, service and diagnostics data supplies informative data about the current state of the motor and plant at all times – everywhere on PROFIBUS/PROFINET/Ethernet/OPC UA.

SIMOCODE ES	Basic	Professional
Access via the local interface on the device	✓	✓
Parameter assignment in list form	✓	✓
Parameter assignment via expert list	--	✓
Bulk engineering	--	✓
Working with libraries	✓	✓
Parameter printing in list form	✓	✓
Operating	✓	✓
Diagnostics	✓	✓
Test	✓	✓
Service data	✓	✓
Analog value recording[1)]	✓	✓
Trend display of measured values[1)]	--	✓
Parameterizing with convenient graphical display	--	✓
Parameterizing with the integrated graphics editor[2)] (CFC-based)	--	✓
Printing of diagrams	--	✓
Parameter comparison[1)] (from V18 also possible offline/offline)	--	✓
Access via PROFIBUS/PROFINET/Ethernet[1)]	--	✓
Access via OPC UA for SIMOCODE M-CP	✓	✓
Routing[2)3)]	--	✓
Firmware update[4)]	✓	✓

✓ Function available

-- Function not available

1) For SIMOCODE pro V.

2) For SIMOCODE M-CP, the SIMOCODE ES V20 Update 3 is required, see https://support.industry.siemens.com/cs/ww/en/view/109977279.

3) See https://support.industry.siemens.com/cs/ww/en/view/109738745.

4) With SIMOCODE pro, only pro V basic units.

Working with libraries

Users can create copy templates for SIMOCODE device configuration and can manage them in global or project libraries.

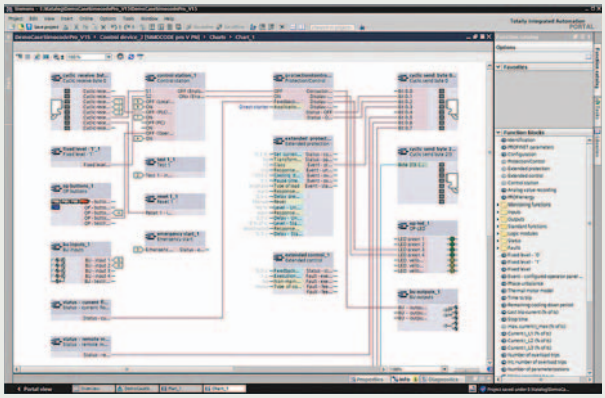
This way, individual modules, diagrams and complete device configurations can be saved as reusable elements for frequently occurring tasks.

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SIMOCODE ES (TIA Portal) NEW

Integrated graphics editor

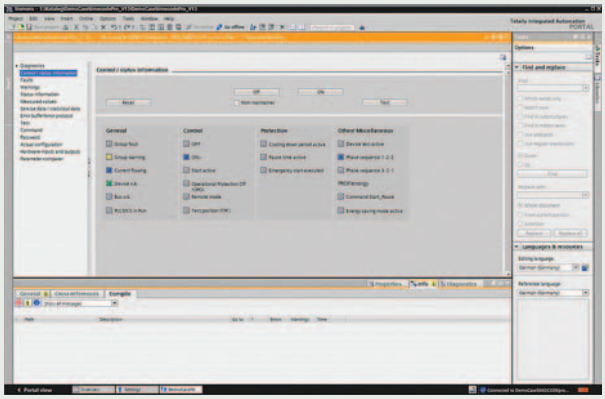
The graphics editor is part of SIMOCODE ES Professional. It is based on the Continuous Function Chart (CFC) and adds a powerful tool to the parameterization interface that enables easy parameterization of devices by drag & drop. What is more, all the parameters can also be edited directly in the graphics editor. Extremely compact documentation of all configured parameters is possible, as is the graphic online presentation of the configured device functions including all signal states during operation. Furthermore, the signal states of inputs can be set in the function charts when the "cold start" function test is active and, in this way, the device function can be tested.



Parameterize easily and ergonomically with the CFC-based graphics editor of SIMOCODE ES Professional

Online functions for commissioning and diagnostics

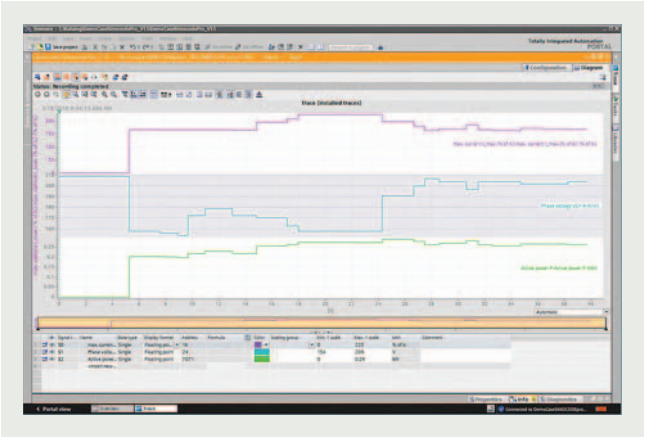
To this end, SIMOCODE ES provides powerful functions for commissioning and diagnostics of motor feeders. Besides a detailed display of status information and the causes of faults, all available measurement and statistics data can be retrieved online. Access to the fault and event memory as well as to analog values recorded on the device, e.g. current or voltage, is also possible.



Commissioning functions of SIMOCODE ES

Trend display of measured values

With this online function, SIMOCODE ES Professional can present the trends of different measured values. It is thus possible for example to record and evaluate the startup behavior of a motor or its behavior under different load conditions.



Live trend display of SIMOCODE ES

Benefits

- Easy parameterization with the graphics editor based on the Continuous Function Chart (CFC) reduces engineering work and shortens commissioning times
- Clear plant documentation by means of graphic presentation
- Detailed information, also when there are faults, is a help for maintenance personnel and shortens downtimes
- Universally applicable through stand-alone version or seamless integration into the central engineering framework when other TIA Portal-based software, such as STEP 7 or WinCC, are available
- Parameter changes are also possible during normal operation
- Users can create copy templates for device configurations and can manage them in global libraries.

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Selection and ordering data

Parameterization and service software for SIMOCODE pro 3UF7 and SIMOCODE M-CP 3UF8

- Delivered without PC cable

	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
SIMOCODE ES V20 Basic						
	Basic functional scope including Professional Trial License Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), for all SIMOCODE pro and SIMOCODE M-CP, online functions via system interface Type of delivery: Software and documentation available as a free download, see https://support.industry.siemens.com/cs/ww/en/view/109974068					
SIMOCODE ES V20 Professional						
 3ZS1322-6CC18-0YA5	**Floating license for one user** Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), Combo license for parallel use of versions 2007 and V20 of SIRIUS ES, for all SIMOCODE pro and SIMOCODE M-CP, online functions via system interface and PROFIBUS/PROFINET/Ethernet, parameterizing with the integrated graphics editor (CFC-based) Type of delivery:					
 3ZS1322-6CE18-0YB5	• Software and documentation on DVD and floating license on USB flash drive	**3ZS1322-6CC18-0YA5**		1	1 unit	42J
	• Software and documentation as a download and floating license as a download	**3ZS1322-6CE18-0YB5**		1	1 unit	42J
 3ZS1322-6CC16-0YE5	**Upgrade for SIMOCODE ES 2007 Standard/Premium** Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), Combo license for parallel use of versions 2007, V18, V19 and V20 of SIRIUS ES, for all SIMOCODE pro, online functions via system interface and PROFIBUS/PROFINET/Ethernet, parameterizing with the integrated graphics editor (CFC-based) Type of delivery:					
	• Software and documentation on DVD and floating license on USB flash drive	**3ZS1322-6CC16-0YE5**		1	1 unit	42J
 3ZS1322-6CC00-0YL5	**Software update service** For 1 year with automatic extension, requires software version of SIMOCODE ES (TIA Portal), engineering software, class A, online functions via system interface and PROFIBUS/PROFINET/Ethernet, parameterizing with integrated graphics editor (CFC-based) Type of delivery:					
	• Software and documentation on DVD	**3ZS1322-6CC00-0YL5**		1	1 unit	42J

Notes:

For a description of the software versions, see page 14/13.

Please order PC cable separately, see next page.

SIMOCODE ES Standard and Premium V12 to V15 licenses can also be used for SIMOCODE ES V16 to V20 Professional.

Save time, costs and CO_2 by using the download option!

*** You can order this quantity or a multiple thereof.**
Illustrations are approximate

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SIMOCODE ES (TIA Portal) NEW

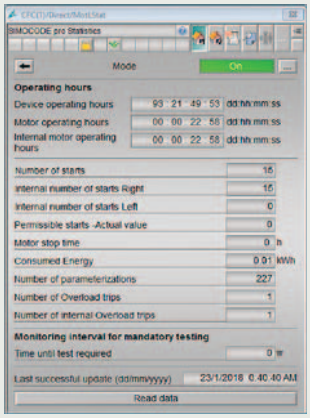
Accessories

	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Optional accessories						
	For SIMOCODE pro 3UF7					
 3UF7941-0AA00-0	**USB PC cable** For connecting to the USB interface of a PC/PG, for communication with SIMOCODE ES via the system interface	**3UF7941-0AA00-0**		1	1 unit	42J
 3UF7946-0AA00-0	**USB/serial adapter** For connecting an RS 232 PC cable to the USB interface of a PC, recommended for use in conjunction with SIMOCODE ES	**3UF7946-0AA00-0**		1	1 unit	42J
	For SIMOCODE M-CP 3UF8					
 8WD4618-0FB	**USB PC cable** USB-C plug to USB-A plug, for connecting a PC to SIMOCODE M-CP, length 2 m, black	**8WD4618-0FB**		1	1 unit	42K

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Overview



Advanced Process Library (APL) - faceplates and blocks for statistical data of the SIMOCODE pro library for PCS 7

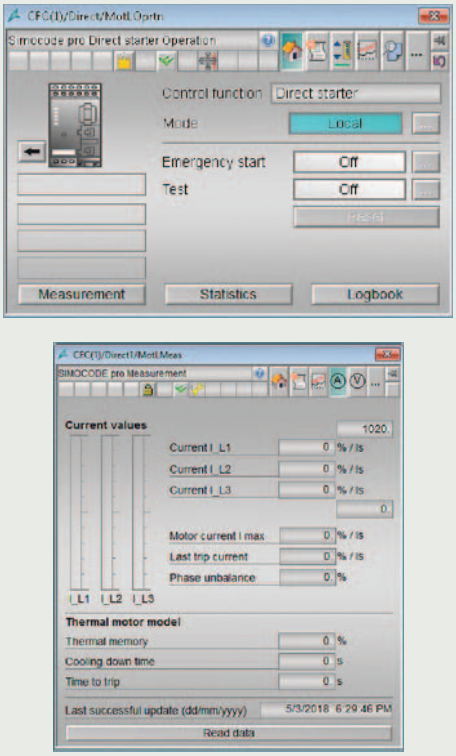
More information

SiePortal, see www.siemens.com/product_catalog_siep?3ZS1

Technical specifications, see https://support.industry.siemens.com/cs/ww/en/ps/16718/td

Overview of the available versions incl. programming manuals, Getting Started, updates and hotfixes, compatibility check, see https://support.industry.siemens.com/cs/ww/en/view/109760422

The PCS 7 block library can be used for easy and convenient integration of SIMOCODE pro into the SIMATIC PCS 7 process control system. One focus here is on easy configuration, because the number of required configuration steps is reduced crucially. Configuration of the blocks is based on the PCS 7 standard configuration processes and is optimally harmonized with the functions of SIMOCODE pro. Users who have previously integrated conventional motor feeders into PCS 7 will therefore find it easy to switch to SIMOCODE pro.



Advanced Process Library (APL) - faceplates and blocks for control and measured data of the SIMOCODE pro library for PCS 7

Benefits

- Uniform and continuous integration into SIMATIC PCS 7
- Standardized blocks for simple integration and optimal operation
- Greater process transparency due to greater information density in the I&C system

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Selection and ordering data

	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
SIMOCODE pro block library for PCS 7 version 10 with Advanced Process Library (APL)						
3ZS1632-1XE05-0YA0	**Engineering software V10** For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating SIMOCODE pro into the PCS 7 process control system with Advanced Process Library, for PCS 7 version V10 Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1632-1XE05-0YA0**		1	1 unit	42J
3ZS1632-2XE05-0YB0	**Runtime license V10** For execution of the AS blocks in an automation system (single license) Required for using the AS blocks of the engineering software V10 within a plant Type of delivery: One license for one automation system, without software and documentation • Certificate of License (CoL) in electronic form (OSD)[1]	**3ZS1632-2XE05-0YB0**		1	1 unit	42J
3ZS1632-1XE05-0YE0	**Upgrade for PCS 7 block library SIMOCODE pro V8 or V9[2]** To version SIMOCODE pro V10 for one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating SIMOCODE pro into the PCS 7 process control system with Advanced Process Library, for PCS 7 version V10 Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1632-1XE05-0YE0**		1	1 unit	42J

1) With a Certificate of License (CoL) in electronic form, the license is supplied via Online Software Delivery (OSD) as a PDF file. Notification of this with a download link is received by email.

2) The upgrade is valid equally for existing engineering software including runtime license and for a single runtime license.

* You can order this quantity or a multiple thereof.
Illustrations are approximate

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	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
	SIMOCODE pro block library for SIMATIC PCS 7 version V9.1 with Advanced Process Library (APL)					
 3ZS1632-1XE04-0YA0	**Engineering software V9.1** For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating SIMOCODE pro into the PCS 7 process control system with Advanced Process Library, for PCS 7 version V9.1 Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1632-1XE04-0YA0**		1	1 unit	42J
 3ZS1632-2XE04-0YB0	**Runtime license V9.1** For execution of the AS blocks in an automation system (single license) Required for using the AS blocks of the engineering software V9.1 within a plant Type of delivery: One license for one automation system, without software and documentation • Certificate of License (CoL) in electronic form (OSD)[1]	**3ZS1632-2XE04-0YB0**		1	1 unit	42J
 3ZS1632-1XE04-0YE0	**Upgrade for PCS 7 block library SIMOCODE pro V8 or V9.0[2]** To version SIMOCODE pro V9.1 for one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating SIMOCODE pro into the PCS 7 process control system with Advanced Process Library, for PCS 7 version V9.1 Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1632-1XE04-0YE0**		1	1 unit	42J
 3ZS1632-1XE04-0YF0	**Upgrade for PCS 7 block library SIMOCODE pro V7 (without APL)[2]** To version SIMOCODE pro V9.1 (with APL) for one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating SIMOCODE pro into the PCS 7 process control system with Advanced Process Library, for PCS 7 version V9.1 Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1632-1XE04-0YF0**		1	1 unit	42J

1) With a Certificate of License (CoL) in electronic form, the license is supplied via Online Software Delivery (OSD) as a PDF file. Notification of this with a download link is received by email.

2) The upgrade is valid equally for existing engineering software including runtime license and for a single runtime license.

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	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
	SIMOCODE pro block library for SIMATIC PCS 7 without Advanced Process Library (APL) _					
 3UF7982-0AA10-0	**Engineering software V7** For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English/French Scope of supply: AS blocks and faceplates for integrating SIMOCODE pro into the PCS 7 process control system, for PCS 7 versions V7.0/V7.1 Type of delivery: One license for one engineering station, one license for one automation system					
	• Software and documentation on CD	**3UF7982-0AA10-0**		1	1 unit	42J
 3UF7982-0AA11-0	**Runtime license V7** For execution of the AS blocks in an automation system (single license) Required for using the AS blocks of the engineering software V7 or the engineering software migration V7-V9 on an additional automation system within a plant Type of delivery: One license for one automation system, without software and documentation					
	• Certificate of License (CoL) in paper form	**3UF7982-0AA11-0**		1	1 unit	42J
 3UF7982-0AA30-1	**Engineering software migration V7-V9** For upgrading (migrating) an existing engineering software V7 of the SIMOCODE pro block library for PCS 7 Conditions of use: Availability of the engineering software V7 (license) of the SIMOCODE pro block library for PCS 7 for the PCS 7 version V7.0 or V7.1 The engineering software migration V7-V9 can be installed directly onto a system with PCS 7 version V8 or V9; installation of the previous version is unnecessary. For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English/French Scope of supply: AS blocks and faceplates for integrating SIMOCODE pro into the PCS 7 process control system Type of delivery: License for upgrading an existing license for one engineering station and a plant's assigned runtime licenses For PCS 7 version V9.1					
	• Software and documentation as software download (OSD)	**3UF7982-0AA30-1**		1	1 unit	42J

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Version		Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
SIMOCODE pro block library for SIMATIC PCS 7 without Advanced Process Library (APL) (continued)						
 3UF7982-0AC00-1	**Engineering software V10 Legacy** For upgrading (migrating) an existing engineering software V7 of the SIMOCODE pro block library for PCS 7 Conditions of use: Availability of the engineering software V7 (license) of the SIMOCODE pro block library for PCS 7 for PCS 7 version V7.0 or V7.1 The engineering software migration V10 Legacy can be installed directly onto a system with PCS 7 version V8 or V9; installation of the previous version is unnecessary. For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English/French Scope of supply: AS blocks and faceplates for integrating SIMOCODE pro into the process control system Type of delivery: License for upgrading an existing license for one engineering station and the assigned runtime					
	For PCS 7 version 10.0					
	• Software and documentation software download (OSD)		**3UF7982-0AC00-1**	1	1 unit	42J
	For PCS 7 version 10.0 SP1					
	• Software and documentation software download (OSD)	NEW	**3UF7982-0AC10-1**	1	1 unit	42J
 3UF7982-0AC01-1	**Runtime license V10 Legacy** For execution of the AS blocks in an automation system (single license) Required for using the AS blocks of the engineering software on an additional automation system within a plant Type of delivery: One license for one automation system, without software and documentation					
	• Certificate of License (CoL) in electronic form (OSD)[1]		**3UF7982-0AC01-1**	1	1 unit	42J

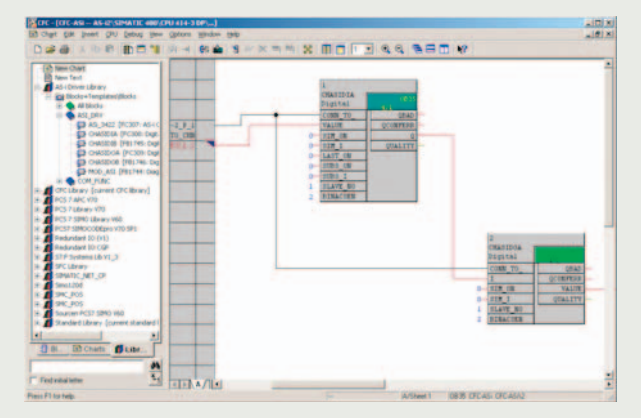
[1] With a Certificate of License (CoL) in electronic form, the license is supplied via Online Software Delivery (OSD) as a PDF file. Notification of this with a download link is received by email.

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Illustrations are approximate

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AS-Interface block library for SIMATIC PCS 7

Overview



AS-Interface block library for SIMATIC PCS 7 in the CFC chart

More information

Overview of the available versions, including programming manuals, Getting Started, service packs, updates and hotfixes, compatibility check, see https://support.industry.siemens.com/cs/ww/en/view/109759605

The AS-Interface block library for PCS 7 is integrated in the SIMATIC PCS 7 process control system and expands it for integration of the AS-Interface system.

As the result, the advantages of AS-Interface such as the considerable reduction of wiring outlay for distributed actuators/sensors and very simple installation can also be used in a system based on PCS 7.

The library contains blocks for accessing the I/O data of AS-i slaves, blocks for diagnostics of the AS-i system, and faceplates for the PCS 7 Maintenance Station.

Supported AS-Interface modules

The AS-Interface block library for PCS 7 can be used with the following AS-i master modules, see also page 2/1 onwards:

- CM AS-i Master ST (in ET 200SP station) 3RK7137-6SA00-0BC1
- CP 343-2 (in ET 200M station) 6GK7343-2AH01-0XA0
- CP 343-2P (in ET 200M station) 6GK7343-2AH11-0XA0

The support of further AS-i modules is described in the manuals of the libraries, see section More information.

The CM AS-i Master ST module is supported with IM 155-6 PN High Feature or IM 155-6 DP High Feature within an ET 200SP station interfaced via PROFINET or PROFIBUS.

The AS-i masters CP 343-2 and CP 343-2P are supported within an ET 200M station interfaced via PROFINET or PROFIBUS.

With the CM AS-i Master ST, CP 343-2 or CP 343-2P modules, digital AS-i slaves with standard addressing and extended addressing (A/B slaves, see also note under Application) can be operated via the library.

Analog AS-i slaves on the CM AS-i Master ST module are supported from engineering software V9.1.

Hardware and software requirements

The libraries require the following PCS 7 versions:

- Engineering software V10: PCS 7 version V10
- Engineering software V9.1: PCS 7 version V9.1

Notes:

For information on other versions, see https://support.industry.siemens.com/cs/ww/en/view/109759605.

More information on the combination of the various modules and software versions can be found using the compatibility tool, see https://support.industry.siemens.com/cs/ww/en/view/64847781.

The delivery of the engineering software includes the basic version of the library. Service packs and updates are available for downloading to adapt to the PCS 7 version used, e.g.

- Engineering software V10.0 SP1
- Engineering software V9.1 SP2

see https://support.industry.siemens.com/cs/ww/en/view/109759605.

Benefits

- Easy connection of AS-Interface to PCS 7
- Engineering work reduced to positioning and connecting the blocks in the CFC
- With no additional configuring steps required for connection to the PCS 7 Maintenance Station, diagnostics for the AS-i system are optimally guaranteed.

Application

The AS-Interface block library for PCS 7 is used in systems based on PCS 7 where the actuators and sensors are connected using AS-Interface.

Note:

The AS-i masters CP 343-2 and CP 343-2P do not transmit I/O data from AS-i slaves with a B address via the cyclic process image (partition), but via data records.

To prevent delays in the communication of driver blocks for B slaves, we recommend avoiding the use of AS-i slaves with B addresses for PCS 7 configurations with CP 343-2 or CP 343-2P.

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Selection and ordering data

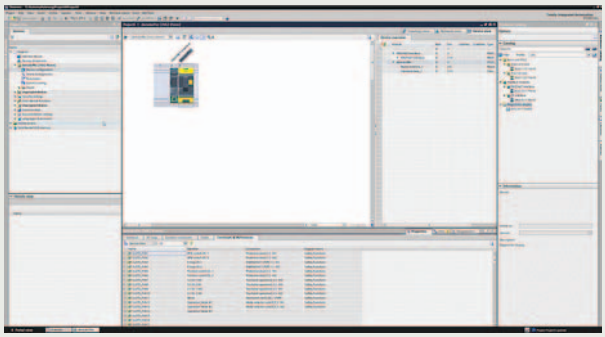
	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
	AS-Interface block library for SIMATIC PCS 7 version V10 with Advanced Process Library (APL)					
 3ZS1635-1XE05-0YA0	**Engineering software V10** For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating AS-Interface into the PCS 7 process control system with Advanced Process Library (APL), for PCS 7 version V10 and higher Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1635-1XE05-0YA0**		1	1 unit	42C
 3ZS1635-2XE05-0YB0	**Runtime license V10** For execution of the AS blocks in an automation system (single license) Required for using the AS blocks of the engineering software V10 on an additional automation system within a plant Type of delivery: One license for one automation system, without software and documentation • Certificate of License (CoL) in electronic form (OSD)[1]	**3ZS1635-2XE05-0YB0**		1	1 unit	42C
	AS-Interface block library for SIMATIC PCS 7 version V9.1 with Advanced Process Library (APL)					
 3ZS1635-1XE04-0YA0	**Engineering software V9.1** For one engineering station (single license) including runtime software for execution of the AS blocks in an automation system (single license), German/English Scope of supply: AS blocks and faceplates for integrating AS-Interface into the PCS 7 process control system with Advanced Process Library (APL), for PCS 7 version V9.1 and higher Type of delivery: One license for one engineering station, one license for one automation system • Software and documentation as software download (OSD)	**3ZS1635-1XE04-0YA0**		1	1 unit	42C
 3ZS1635-2XE04-0YB0	**Runtime license V9.1** For execution of the AS blocks in an automation system (single license) Required for using the AS blocks of the engineering software V9.1 on an additional automation system within a plant Type of delivery: One license for one automation system, without software and documentation • Certificate of License (CoL) in electronic form (OSD)[1]	**3ZS1635-2XE04-0YB0**		1	1 unit	42C

[1] With a Certificate of License (CoL) in electronic form, the license is supplied via Online Software Delivery (OSD) as a PDF file. Notification of this with a download link is received by email.

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SIRIUS Safety ES (TIA Portal) NEW

Overview



SIRIUS Safety ES (TIA Portal): Configuration



SIRIUS Safety ES (TIA Portal): Logic

More information

Technical specifications, see https://support.industry.siemens.com/cs/ww/en/ps/26081/td

Download of SIRIUS Safety ES Basic, see https://support.industry.siemens.com/cs/ww/en/view/109974066

The SIRIUS Safety ES (TIA Portal) software permits quick and easy parameterization, commissioning and diagnostics of SIRIUS 3SK2 safety relays. Device configuration and device functionality can easily be created graphically directly on the PC and transferred to the switching device through a USB cable or an optional PROFIBUS/PROFINET interface.

The powerful SIRIUS Safety ES Basic tool for commissioning engineers or maintenance personnel is available as a free download in SiePortal, see More information.

SIRIUS Safety ES is integrated seamlessly when further TIA Portal-based software such as STEP 7 or WinCC is available, thus enabling users to achieve a consistent, efficient and intuitive solution for all automation tasks.

However, use of SIRIUS Safety ES (TIA Portal) as stand-alone software also provides these advantages.

Efficient engineering with two program versions

The SIRIUS Safety ES (TIA Portal) software program is available in two versions, which differ in their user-friendliness and scope of functions.

SIRIUS Safety ES (TIA Portal)	Basic	Professional
Unlimited number of function blocks	--	✓
Access to the local interface on the device	✓	✓
Access via PROFINET/PROFIBUS	--	✓
Routing	--	✓
Parameter comparison (from V18 also possible offline/offline)	--	✓
Parameter assignment	✓	✓

✓ Function available

-- Function not available

Additional functions

SIRIUS Safety ES (TIA Portal) offers numerous advantages of the TIA Portal that can be used in an integrated working environment.

Seamless integration

When using other TIA Portal-based software such as STEP 7 or WinCC, for example, the configuration for devices and networks for all components used is created in a standardized environment.

Working with libraries

Users can create copy templates for frequently-used applications or parameters and can manage them in global or project libraries. This way, individual modules, diagrams and complete device configurations can be saved as reusable elements for frequently occurring tasks.

Interface to SIRIUS Sim 3SK2

The integrated interface to the simulation software SIRIUS Sim allows all parameterization, application testing and diagnostics to be carried out on the digital twin without any real hardware components. This saves time and capital costs.

SIRIUS Sim, see page 14/27 onwards or https://support.industry.siemens.com/cs/ww/en/view/109763750.

Benefits

- Transparent setting of the device functions and their parameters
- Effective support during commissioning
- Comprehensive diagnostics functions
- Complete transparency thanks to printout, logbook memory
- High degree of user-friendliness – convenient user interface, with English, German, French, Italian, Spanish and Chinese as possible operating languages
- Time savings thanks to shorter startup times
- Fast, low-cost licensing using a simple licensing procedure (available online too)

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Selection and ordering data

Parameterization and service software for SIRIUS 3SK2 safety relays

- Delivered without PC cable

	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
SIRIUS Safety ES V20 Basic						
	Basic functional scope including Professional Trial License Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), for all 3SK2, online functions via system interface Type of delivery: Software and documentation available as a free download, see https://support.industry.siemens.com/cs/ww/en/view/109974066					
SIRIUS Safety ES V20 Professional						
 3ZS1326-2CC13-0YA5	**Floating license for one user** Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), Combo license for parallel use of versions V1.0 and V20 of the Safety ES, for all 3SK2, online functions via system interface and PROFIBUS/PROFINET, parameterizing with the integrated graphics editor (CFC-based) Type of delivery:					
 3ZS1326-2CE13-0YB5	• Software and documentation on DVD and floating license on USB flash drive	**3ZS1326-2CC13-0YA5**		1	1 unit	41L
	• Software and documentation as a download and floating license as a download	**3ZS1326-2CE13-0YB5**		1	1 unit	41L
 3ZS1326-2CC13-0YE5	**Upgrade for Safety ES V1.0 Standard/Premium** Engineering software, class A, 6 languages (German/English/Chinese included, French/Italian/Spanish as a download), Combo license for parallel use of versions V1.0 and V20 of the Safety ES, for all 3SK2, online functions via system interface and PROFIBUS/PROFINET/Ethernet, parameterizing with the integrated graphics editor (CFC-based) Type of delivery:					
	• Software and documentation on DVD and floating license on USB flash drive	**3ZS1326-2CC13-0YE5**		1	1 unit	41L

Notes:

For a description of the software versions, see page 14/24.

Please order PC cable separately, see page 14/26.

Save time, costs and CO_2 by using the download option!

*** You can order this quantity or a multiple thereof.**
Illustrations are approximate

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SIRIUS Safety ES (TIA Portal) NEW

Accessories

	Version	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Optional accessories						
 3UF7941-0AA00-0	**USB PC cable** For connecting to the USB interface of a PC/PG, for communication with 3SK2 through the system interface, recommended for use in connection with 3SK2	**3UF7941-0AA00-0**		1	1 unit	42J
 3SK2511-1FA10	**Interface modules** • For connecting 3SK2 safety relays via PROFINET					
		Screw terminals				
	- Screw terminals	**3SK2511-1FA10**		1	1 unit	41L
		Spring-loaded terminals (push-in)				
	- Spring-loaded terminals (push-in)	**3SK2511-2FA10**		1	1 unit	41L
 3UF7930-0AA0-0	**Connecting cable** For connecting central units with expansion modules or interface module Length: 0.025 m (flat)	**3UF7930-0AA00-0**		1	1 unit	42J

14

* You can order this quantity or a multiple thereof.
Illustrations are approximate

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Overview

More information

SIRIUS Sim, see https://support.industry.siemens.com/cs/ww/en/view/109763750

SIMIT simulation platform, see www.siemens.com/global/en/products/automation/industry-software/simit.html

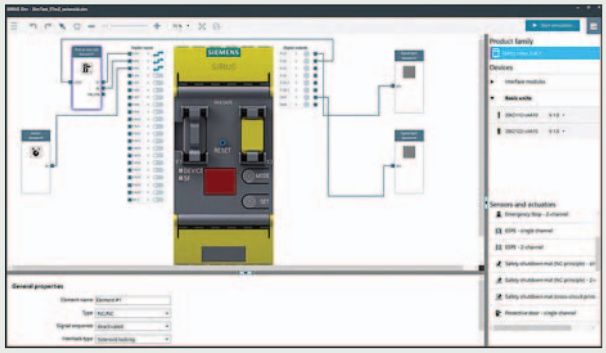
The SIRIUS simulation tool can be used to quickly and easily test functions and configurations in an office environment. These configurations can then be loaded directly into real devices.

SIRIUS Sim is available as a free download, see More information.

General functions

- Simple exchange of devices and elements:
  when exchanging devices and elements, the connections are retained and do not have to be re-created.
- Display of connection status to the ES tool
- Comment function:
  comments can be placed in the logic diagram of the simulator.
- Interface to SIMIT simulation platform (applies to 3SK2 and 3RW55):
  The interface to SIMIT enables integration of the devices from SIRIUS Sim in the higher-level simulation context. This means that the behavior of the devices in the entire application can be simulated.

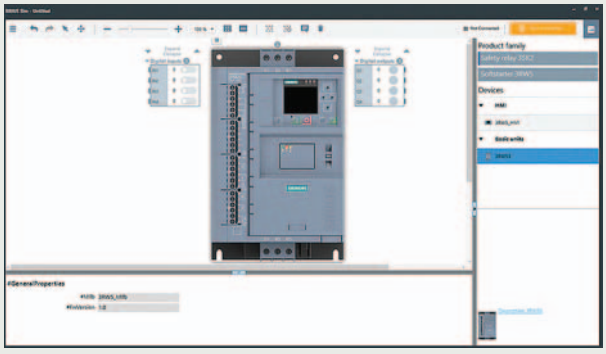
SIRIUS Sim 3SK2



SIRIUS Sim 3SK2

- Support of SIRIUS 3SK2 safety relays and SIRIUS 3SK1 output expansions as well as the SIRIUS 3RM1 fail-safe motor starters and the SIRIUS 3RQ1 force-guided coupling relays
- Display of connection status to ES tool:
  The connection status to the engineering software is displayed in the simulator. This makes it clear at first glance whether the simulator is connected to the ES tool.
- Automatic generation of the function elements:
  At the press of a button, the necessary function elements can be automatically generated based on the configuration data. Duplicated entry, in the engineering software and in the simulator, is unnecessary.

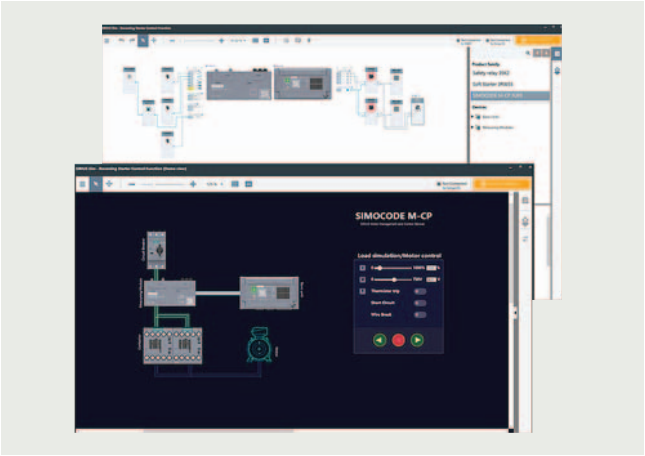
SIRIUS Sim 3RW55



SIRIUS Sim 3RW55

- Complete parameterization of the SIRIUS 3RW55 High Performance and 3RW55 Failsafe soft starters
- Complete navigation with the same menu structure as on the HMI
- Optional storage of the parameterization on a micro SD memory card for transfer to the real soft starter
- Simulation of startup and shutdown, including operating phases
- Simulation of different fault states
- Interface between SIRIUS Sim from V2.5 and the simulation tool for soft starters (STS) from V6. This allows users to transfer the soft starter devices recommended in STS and their parameters directly into SIRIUS Sim and simulate them in a virtual environment.

SIRIUS Sim SIMOCODE M-CP 3UF8



SIRIUS Sim SIMOCODE M-CP: Demo view and logic view

- Simulation of the behavior of the SIMOCODE M-CP components (basic unit, current/voltage measuring modules. Additionally from November 2025: operator panel)
- Complete navigation with the same menu structure as on the operator panel from November 2025
- Simulation of a running motor with associated measured variables
- Simulation of fault conditions, warning thresholds, and diagnostics
- Demo view, in which a fixed configuration (direct-on-line starter and reversing starter) is displayed for easy familiarization with the devices. From there, you can switch to the more flexible logic view.

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SIRIUS Sim NEW

Benefits

- Intuitive user interface
- Already contains predefined, standard application examples
- Simple familiarization with the devices
- Interface to SIMIT for comprehensive simulation of complete plants
- Application engineering and testing in the simulation results in time and cost savings
- Free download