

Overview (continued)Supported BaseUnits

With the combination of the CM AS-i Master ST and F-CM AS-i Safety ST modules, the CM module is plugged onto a light type C0 BaseUnit and, directly to the right of it, the F-CM module is plugged onto a dark type C1 BaseUnit. The AS-i cable is connected only on the light BaseUnit of the CM module.

Notes on safety

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 security concept. Siemens products and solutions only represent one component of such a concept.

For more information on the topic of Industrial Security, see <http://www.siemens.com/industrialsecurity>.

Configuration

The following software is required for configuration of the F-CM AS-i Safety ST module:

- STEP 7 (classic), V5.5 SP3 HF4 or higher with HSP 2093¹⁾ and Distributed Safety V5.4 SP5 or F-Configuration Pack SP11

or

- STEP 7 (TIA Portal) V13 and higher with HSP 0070²⁾ and Safety Advanced V13.
For connection to S7-1500F you require STEP 7 V13 SP1. When configuring with STEP 7 V13 SP1, the latest version of HSP 0070 V2.0 (or higher) is an essential prerequisite. STEP 7 Safety V13 SP1 Update 4 and the new version of HSP 0070 V3.0 (or higher) is needed for configuration of the F-CM AS-i Safety ST module in an ET 200SP station with ET 200SP F-CPU 1510SP F/1512SP F (firmware V1.8 or higher) or 1515SP PC F.

Configuration and programming are done entirely in the STEP 7 user interface. No additional configuration software is needed for commissioning.

Data management – together with all other configuration data of the SIMATIC – is realized completely in the S7 project.

The input and output channels are assigned to the process image automatically and manual linking via configuration function blocks is not necessary.

If the F-CM AS-i Safety ST module is replaced, all necessary settings are automatically imported into the new module.

The F-CM AS-i Safety ST module occupies 16 input bytes and 8 output bytes in the I/O data of the ET 200SP station.

For diagnostics during ongoing operation, diagnostics blocks with clearly arranged visualization on the SIMATIC HMI panel are available or can be downloaded free of charge via a web browser, see <https://support.industry.siemens.com/cs/ww/en/view/109479103>.

¹⁾ HSP 2093; see <https://support.industry.siemens.com/cs/ww/en/view/23183356>.

²⁾ HSP 0070; see <https://support.industry.siemens.com/cs/ww/en/view/72341852>.

Ordering data**Article No.****F-CM AS-i Safety ST communication module****3RK7136-6SC00-0BC1**

- Fail-safe module for SIMATIC ET 200SP, can be plugged onto BaseUnit type C1 (alternatively type C0)
- Operation requires an AS-i master, e.g. CM AS-i Master ST
- Can be used up to SIL 3 (IEC 62061/IEC 61508), PL e (EN ISO 13849-1)
- Coding element type H (included in scope of supply)
- Dimensions (W x H x D / mm): 20 x 73 x 58

Accessories**BaseUnit BU20-P6+A2+4B****6ES7193-6BP20-0BC1**

- BaseUnit (dark), BU type C1
- Suitable for the F-CM AS-i Safety ST fail-safe module
- Continuation of an AS-i network, connection with the AS-i voltage of the left-hand module

Coding element type H (spare part)**6ES7193-6EH00-1AA0**

- For the ET 200SP modules F-CM AS-i Safety ST, CM 4xIO-Link
- Packing unit 5 items

More accessories

See CM AS-i Master ST communication modules

More information

For the Manual "F-CM AS-i Safety ST for SIMATIC ET 200SP", see <https://support.industry.siemens.com/cs/ww/en/view/90265988>.

Released combinations of the AS-i modules for ET 200SP, see <https://support.industry.siemens.com/cs/ww/en/view/103624653>.