

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SIMATIC S7

3RK7136-6SC00-0BC1

AS-I SAFETY COMMUNICATION MODULE

Used with the applicable SIMATIC ET 200SP configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation



SIMATIC ET 200SP Safety communication module F-CM AS-Interface Safety ST for AS-Interface

General technical data		
product designation		F-CM AS-i Safety ST
product type designation		ASIsafe communication module
protection class IP		IP20
type of voltage supply		via AS-i
consumed current		
• from profile conductors of the AS-Interface		
— at 30 V maximum	mA	70
— at 24 V with AS-i Power24V maximum	mA	70
• from backplane bus maximum	mA	30
power loss [W]	W	2.1
insulation voltage rated value	V	500
display version as status display by LED		DIAG STATUS ERROR CFG PSF TEACH ADDR PWR
type of configuration of the AS-Interface		STEP7 Safety
Communication/ Protocol		
version of the AS-Interface specification		V 3.0
type of data transmission		ET 200SP backplane bus
number of interfaces as AS-Interface		1
number of interfaces other		1
protocol is supported PROFIsafe protocol		Yes
product function suitable for AS-i Power24V		Yes
Inputs/ Outputs		
access to digital I/O data		Via process image
Mechanical data		
width	mm	20
height	mm	73
depth	mm	58
fastening method		pluggable on terminal module
module format		ET 200SP design
Ambient conditions		
ambient temperature		
• if installed on horizontal mounting rail during operation	°C	0 ... 60
• if installed on vertical mounting rail during operation	°C	0 ... 50
• during transport	°C	-40 ... +70
• during storage	°C	-40 ... +70
relative humidity at 25 °C during operation maximum	%	95
installation altitude at height above sea level maximum	m	2 000
Safety related data		
suitability for use safety-related function		Yes
certificate of suitability TÜV (German technical		Yes

inspectorate) certificate		
certificate of suitability UL approval		Yes
Safety Integrity Level (SIL) according to IEC 61508		3
performance level (PL) according to EN ISO 13849-1		e
SIL Claim Limit (subsystem) according to EN 62061		3
category according to EN ISO 13849-1		4
safety device type according to IEC 61508-2		Type B
explosion protection marking for intrinsic safety of related equipment		
• EEx ia	No	
• EEx ib	No	
explosion protection category for gas		none
explosion protection category for dust		none
vibration resistance according to IEC 60068-2-6		5 ... 8.4 Hz / 0.35 mm / 10 cycles; 8.4 ... 150 Hz / 9.8 m/s 2/10 cycles; 10 ... 60 Hz / 0.35 mm / 24 cycles; 60 ... 1000 Hz / 50 m/s 2/24 cycles
EMC immunity according to IEC 60947-1		IEC61326-3-1
conducted interference due to burst according to IEC 61000-4-4		2 kV
electrostatic discharge according to IEC 61000-4-2		6 kV contact discharge / 8 kV air discharge
field-based interference according to IEC 61000-4-3		80 Mhz ... 1 GHz 20 V/m, 1.4 GHz ... 2 GHz 10 V/m, 2.0 GHz ... 2.7 GHz 3 V/m
EMC emitted interference according to IEC 60947-1		IEC61000-6-4 Class A
reference code according to IEC 81346-2		K

Certificates/ approvals

General Product Approval	EMC	For use in hazardous locations
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[Confirmation](#)

[FM](#)



For use in hazardous locations	Functional Safety/Safety of Machinery	Declaration of Conformity	Marine / Shipping
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[Explosion Protection Certificate](#)



[Type Examination Certificate](#)



other



[Confirmation](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK7136-6SC00-0BC1>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7136-6SC00-0BC1>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK7136-6SC00-0BC1>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK7136-6SC00-0BC1&lang=en

