

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
Supply voltage from optional external supply voltage at DC		NO_DATA
Consumed current		
<ul style="list-style-type: none"> <li>from profile conductors of the AS-Interface                             <ul style="list-style-type: none"> <li>— at 30 V maximum</li> </ul> </li> </ul>	mA	70
<ul style="list-style-type: none"> <li>— at 24 V with AS-i Power24V maximum</li> </ul>	mA	70
<ul style="list-style-type: none"> <li>from backplane bus maximum</li> </ul>	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 PROFI-safe protocol		Yes
Product function suitable for AS-i Power24V		Yes

#### Inputs/ Outputs

Access to digital I/O data		Via process image
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#### Mechanical data

Width	mm	20
Height	mm	73
Depth	mm	58
Mounting type		pluggable on terminal module
Module format		ET 200SP design

#### Ambient conditions

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>if installed on horizontal mounting rail during operation</li> </ul>	°C	0 ... 60
<ul style="list-style-type: none"> <li>if installed on vertical mounting rail during operation</li> </ul>	°C	0 ... 50
<ul style="list-style-type: none"> <li>during transport</li> </ul>	°C	-40 ... +70
<ul style="list-style-type: none"> <li>during storage</li> </ul>	°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 inspectorate) certificate		Yes
Certificate of suitability UL approval		Yes
Safety Integrity Level (SIL) acc. to IEC 61508		3
Performance level (PL) acc. to EN ISO 13849-1		e
SIL Claim Limit (subsystem) acc. to EN 62061		3
Category acc. to EN ISO 13849-1		4
Safety device type acc. to IEC 61508-2		Type B
<b>Explosion protection marking for intrinsic safety of related equipment</b>		
<ul style="list-style-type: none"> <li>EEx ia</li> </ul>		No
<ul style="list-style-type: none"> <li>EEx ib</li> </ul>		No
Explosion protection category for gas		none
Explosion protection category for dust		none

Vibration resistance acc. 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
EMI immunity acc. to IEC 60947-1	IEC61326-3-1
Conducted interference due to burst acc. to IEC 61000-4-4	2 kV
Electrostatic discharge acc. to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling acc. 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 acc. to IEC 60947-1	IEC61000-6-4 Class A
Reference code acc. to DIN EN 81346-2	K

### Certificates/ approvals

General Product Approval	EMC	For use in hazardous locations	Functional Safety/Safety of Machinery
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[FM](#)



UL



RCM



ATEX

[Type Examination Certificate](#)

Declaration of Conformity	Shipping Approval	other
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[Miscellaneous](#)

[NK / Nippon Kaiji Kyokai](#)



ASI

[Confirmation](#)

### Further information

**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>

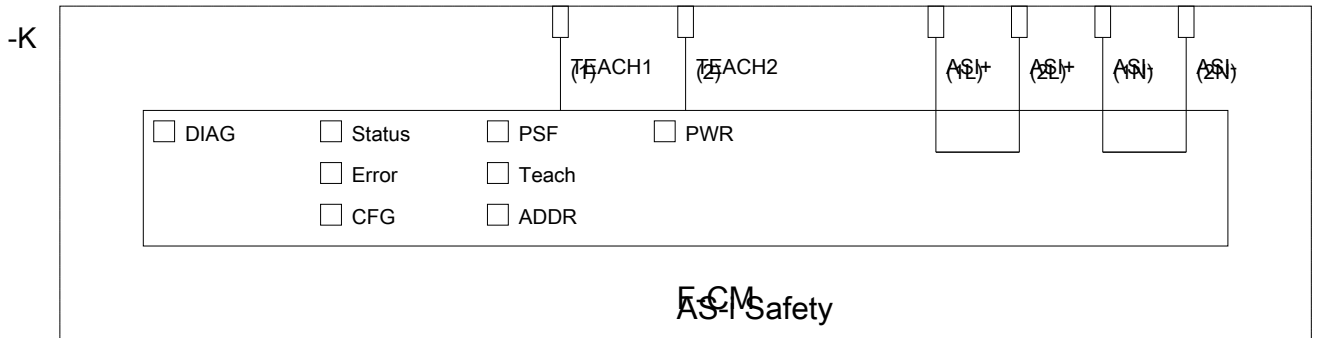
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

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





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