

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 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:

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 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
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 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](#)



[Type Examination Certificate](#)

Declaration of Conformity	Shipping Approval	other
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EG-Konf.

[Miscellaneous](#)

[NK / Nippon Kaiji Kyokai](#)



ASi

[Confirmation](#)

Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

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

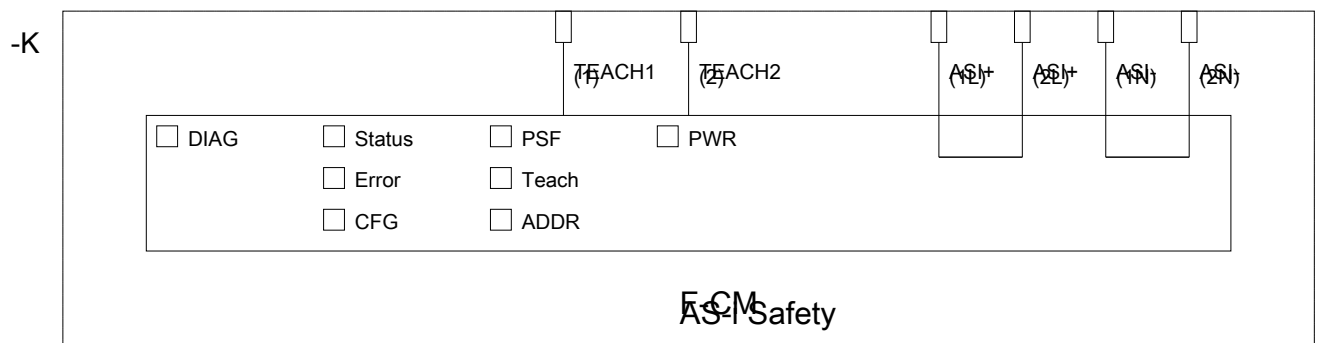
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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





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