## **SIEMENS**

## **Data sheet**



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				
<ul> <li>from profile conductors of the AS-Interface</li> </ul>				
— 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	Ye	'es
Safety Integrity Level (SIL) according to IEC 61508	3	
performance level (PL) according to EN ISO 13849-1	е	
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	Ty	уре В
explosion protection marking for intrinsic safety of related equipment		
• EEx ia	N	lo
• EEx ib	N	lo
explosion protection category for gas	no	one
explosion protection category for dust	no	one
vibration resistance according to IEC 60068-2-6	Cy	8.4 Hz / 0.35 mm / 10 cycles; 8.4 150 Hz / 9.8 m/s 2/10 ycles; 10 60 Hz / 0.35 mm / 24 cycles; 60 1000 Hz / 50 n/s 2/24 cycles
EMC immunity according to IEC 60947-1	IE	EC61326-3-1
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		0 Mhz 1 GHz 20 V/m, 1.4 GHz 2 GHz 10 V/m, 2.0 GHz .7 GHz 3 V/m
EMC emitted interference according to IEC 60947-1	IE	EC61000-6-4 Class A
reference code according to IEC 81346-2	K	

Certificates/ approvals

General Product Approval EMC For use in hazardous locations

Confirmation

<u>FM</u>









For use in hazardous locations

Functional Safety/Safety of Machinery

**Declaration of Conformity** 

Marine / Shipping

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)

 $\underline{\text{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK7136-6SC00-0BC1}$ 

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RK7136-6SC00-0BC1}$ 

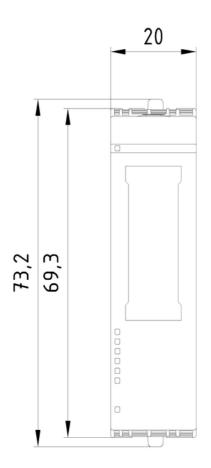
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

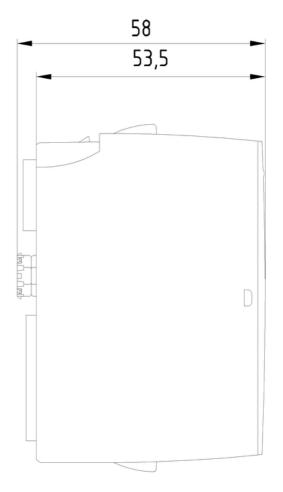
https://support.industry.siemens.com/cs/ww/en/ps/3RK7136-6SC00-0BC1

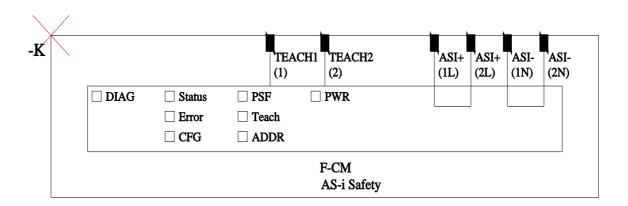
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

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









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