SIEMENS

Data sheet   **3RK7136-6SC00-0BC1**

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

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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			EMV
CE EG-Konf.	Confirmation	FM	UL EAC	RCM

For use in hazardous locations			Functional Saftey	Test Certificates
CQC	other ex-certificates	ATEX IECEx	Type Examination Certificate	Special Test Certificate

Marine / Shipping	other	Industrial Communication
DNV	Confirmation	ASi

Further information

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

20

73,2

69,3

58

53,5

-K

TEACH1 (1)   TEACH2 (2)   ASI+ (1L)   ASI+ (2L)   ASI- (1N)   ASI- (2N)

☐ DIAG   ☐ Status   ☐ PSF   ☐ PWR
         ☐ Error   ☐ Teach
         ☐ CFG   ☐ ADDR

F-CM
AS-i Safety

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