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Data sheet 3RK7136-6SC00-0BC1



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

General technical data		
product designation		ASIsafe communication module
product type designation		ET 200SP
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

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certificate of suitability TÜV approval		Yes
certificate of suitability UL approval		Yes
Safety Integrity Level (SIL) according to IEC 61508		SIL 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				For use in hazardous locations	
FM	UL	EAC	CE EG-Konf.	CCC-Ex	Miscellaneous

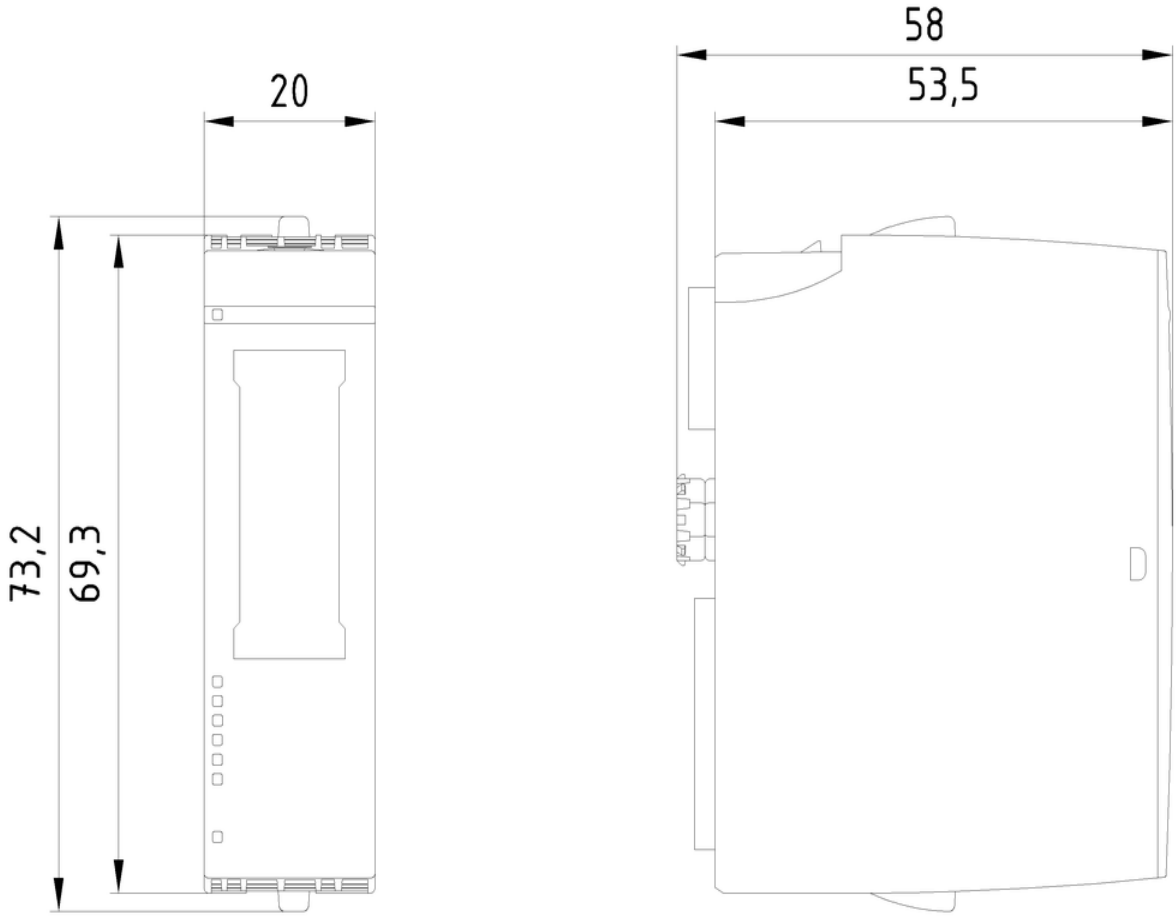
For use in hazardous locations		Functional Saftey	Test Certificates	Maritime application	other
ATEX	IECEx	Type Examination Certificate	Special Test Certificate	DNV	Confirmation

other	Environment
产品合格 QC PASS	Environmental Confirmations

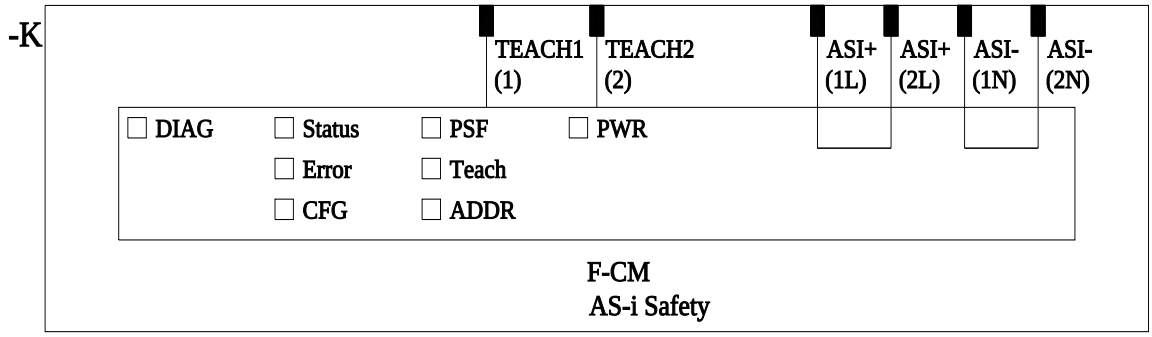
Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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
https://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, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK7136-6SC00-0BC1&lang=en

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