

SIMATIC ET 200SP SAFETY COMMUNICATION
MODULE F-CM AS-I SAFETY ST FOR AS-INTERFACE



Figure similar

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
Active power loss	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
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Mechanical data:		
Width	mm	20
Height	mm	73
Depth	mm	58
Mounting type		Can be plugged into 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		SIL3
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

Certificates/ approvals:

General Product Approval				For use in hazardous locations	Declaration of Conformity
 GOST	 TÜV	 UL	 EAC	 ATEX	 EG-Konf.

Shipping Approval	other
 GL	Confirmation Environmental Confirmations

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

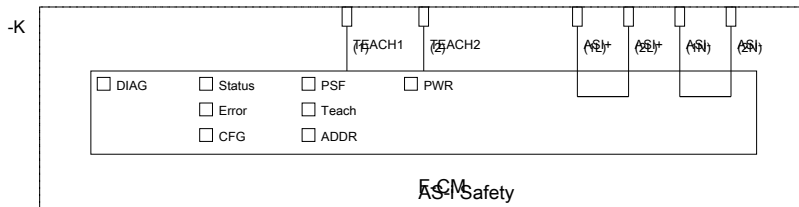
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK71366SC000BC1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK71366SC000BC1>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK71366SC000BC1&lang=en



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