

SIMATIC ET 200SP communication module CM AS-Interface Master ST according to AS-i specification V3.0



General technical data:		
Product designation		AS-Interface Master
Product type designation		CM AS-i Master ST
Protection class IP		IP20
Type of electrical connection of the AS-interface		ET 200SP BaseUnit (Type C0), 20 mm
Type of voltage supply		Via AS-i and backplane bus
Operating condition separate power supply 24 V		No
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	20
Power loss [W]	W	1.7
Insulation voltage rated value	V	500
Product function suitable for AS-i Power24V		Yes
• Note		All product versions
Product feature redundancy capability		No
Product function		
• web-based management		No

• Diagnostics via email • Galvanic isolation		No
Display version		Yes
• as status display by LED		DIAG, AS-i OK, AS-i FAULT, PF, CER, CM, AUP, PWR, SL_Xy (A), SL_xY (B)
Type of configuration of the AS-interface		Set pushbutton on device, STEP7, GSD, command interface

Communication/ Protocol:

Version of the AS-interface specification		V 3.0
AS-interface master profile is supported		M4 (in acc. with AS-interface specification V 3.0)
Type of data transmission		ET 200SP backplane bus
Number of interfaces		
• as AS-interface		1
• acc. to RS 485		0
• acc. to Industrial Ethernet		0
• acc. to PROFINET		0
• acc. to wireless		0
• acc. to USB		0
• other		0
Product component optical interface		No
Protocol is supported		
• ASIsafe (Safety at work) protocol		No
• PROFIsafe protocol		No
• PROFIBUS protocol		No
• PROFINET IO protocol		No
• PROFINET CBA protocol		No
• TCP/IP		No
• SNMP		No
Standard for wireless communication IEEE 802.11		No

Inputs/ Outputs:

Number of inputs for AS Interface maximum		496
Number of outputs for AS Interface maximum		496
Number of AS-i slaves per AS-Interface maximum		62
Bus cycle time of the AS-interface		
• for 31 slaves	ms	5
• for 62 slaves	ms	10
Access to digital I/O data		via process image/peripheral addresses
Access to analog I/O data		via process diagram/peripheral addresses and data record transfer

Mechanical data:

Width	mm	20
Height	mm	69.2

Depth	mm	53.6
Mounting type		pluggable in BaseUnit
Module format		IP20

Ambient conditions:

Ambient temperature		
• if installed on horizontal mounting rail	°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		No
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

Certificates/ approvals:

General Product Approval	For use in hazardous locations	Declaration of Conformity
FM	 UL	
	 ATEX	 EG-Konf.
		Miscellaneous

Shipping Approval	other
NK / Nippon Kaiji Kyokai	Confirmation
 ASi	

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

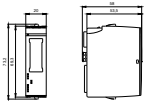
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7137-6SA00-0BC1>

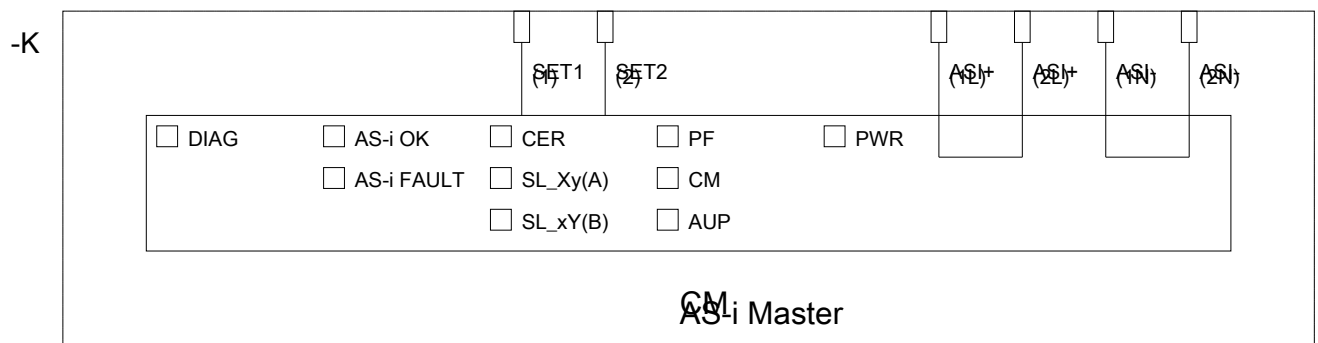
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK7137-6SA00-0BC1>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK7137-6SA00-0BC1&lang=en





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