








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

General technical data		
<b>product designation</b>		AS-Interface Master
<b>product type designation</b>		CM AS-i Master ST
<b>protection class IP</b>		IP20
<b>type of electrical connection of the AS-Interface</b>		ET 200SP BaseUnit (Type C0), 20 mm
<b>type of voltage supply</b>		Via AS-i and backplane bus
<b>operating condition separate power supply 24 V</b>		No
<b>consumed current</b>		
<ul style="list-style-type: none"> <li>from profile conductors of the AS-Interface                             <ul style="list-style-type: none"> <li>at 30 V maximum</li> <li>at 24 V with AS-i Power24V maximum</li> </ul> </li> <li>from backplane bus maximum</li> </ul>	mA	70
	mA	70
	mA	20
<b>power loss [W]</b>	W	1.7
<b>insulation voltage rated value</b>	V	500
<b>product function suitable for AS-i Power24V</b>		Yes
<ul style="list-style-type: none"> <li>note</li> </ul>		All product versions
<b>product feature redundancy capability</b>		No
<b>product function</b>		
<ul style="list-style-type: none"> <li>web-based management</li> <li>diagnostics via email</li> <li>galvanic isolation</li> </ul>		No No Yes
<b>display version</b>		
<ul style="list-style-type: none"> <li>as status display by LED</li> </ul>		DIAG, AS-i OK, AS-i FAULT, PF, CER, CM, AUP, PWR, SL_Xy (A), SL_xY (B)
<b>type of configuration of the AS-Interface</b>		Set pushbutton on device, STEP7, GSD, command interface
Communication/ Protocol		
<b>version of the AS-Interface specification</b>		V 3.0
<b>AS-Interface master profile is supported</b>		M4 (in acc. with AS-interface specification V 3.0)
<b>type of data transmission</b>		ET 200SP backplane bus
<b>number of interfaces</b>		
<ul style="list-style-type: none"> <li>as AS-Interface</li> <li>acc. to RS 485</li> <li>acc. to Industrial Ethernet</li> <li>acc. to PROFINET</li> <li>acc. to wireless</li> <li>acc. to USB</li> <li>other</li> </ul>		1 0 0 0 0 0 0

<b>product component optical interface</b>		No
<b>protocol is supported</b>		
• ASIsafe (Safety at work) protocol		No
• PROFI-safe protocol		No
• PROFIBUS protocol		No
• PROFINET IO protocol		No
• PROFINET CBA protocol		No
• TCP/IP		No
• SNMP		No
<b>standard for wireless communication IEEE 802.11</b>		No
<b>Inputs/ Outputs</b>		
<b>number of inputs for AS-Interface maximum</b>		496
<b>number of outputs for AS-Interface maximum</b>		496
<b>number of AS-i slaves per AS-Interface maximum</b>		62
<b>bus cycle time of the AS-Interface</b>		
• for 31 slaves	ms	5
• for 62 slaves	ms	10
<b>access to digital I/O data</b>		via process image/peripheral addresses
<b>access to analog I/O data</b>		via process diagram/peripheral addresses and data record transfer
<b>Mechanical data</b>		
<b>width</b>	mm	20
<b>height</b>	mm	69.2
<b>depth</b>	mm	53.6
<b>fastening method</b>		pluggable in BaseUnit
<b>module format</b>		IP20
<b>Ambient conditions</b>		
<b>ambient temperature</b>		
• 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
<b>relative humidity at 25 °C during operation maximum</b>	%	95
<b>installation altitude at height above sea level maximum</b>	m	2 000
<b>Safety related data</b>		
<b>suitability for use safety-related function</b>		No
<b>explosion protection marking for intrinsic safety of related equipment</b>		
• EEx ia		No
• EEx ib		No
<b>explosion protection category for gas</b>		none
<b>explosion protection category for dust</b>		none
<b>Certificates/ approvals</b>		
<b>General Product Approval</b>	<b>EMC</b>	<b>For use in hazardous locations</b>
<a href="#">FM</a>		
		
		
<b>Declaration of Conformity</b>	<b>Marine / Shipping</b>	<b>other</b>



EG-Konf.

NK / Nippon Kaiji  
Kyokai



[Confirmation](#)

#### Further information

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=3RK7137-6SA00-0BC1>

Cax online generator

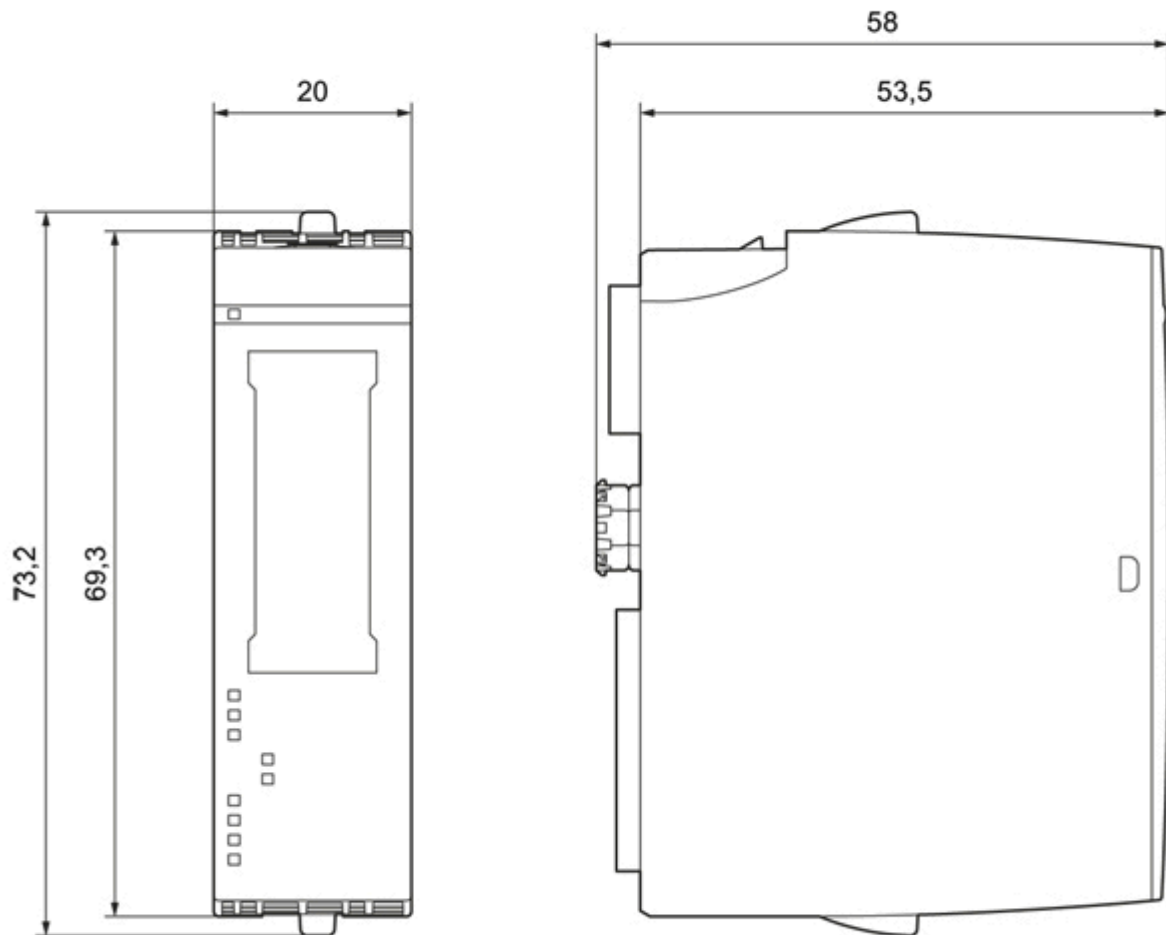
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7137-6SA00-0BC1>

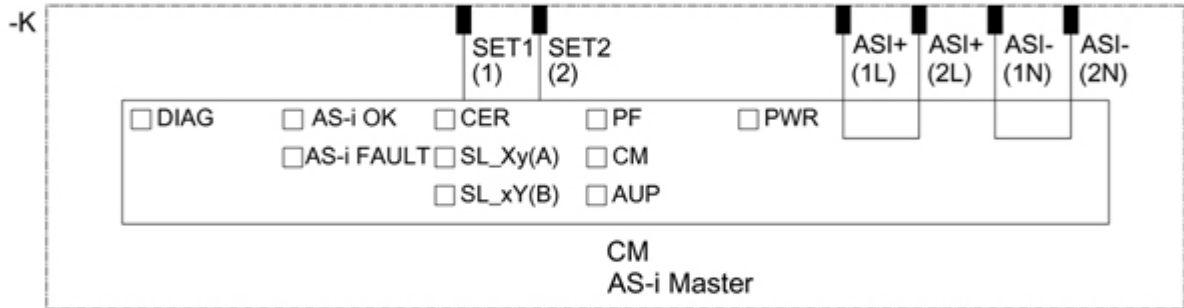
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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





last modified:

1/18/2021