

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		
<ul style="list-style-type: none"> from profile conductors of the AS-Interface <ul style="list-style-type: none"> — at 30 V maximum 	mA	70
<ul style="list-style-type: none"> — at 24 V with AS-i Power24V maximum 	mA	70
<ul style="list-style-type: none"> 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
<ul style="list-style-type: none"> Note 		All product versions
Product feature redundancy capability		No
Product function		
<ul style="list-style-type: none"> web-based management 		No

<ul style="list-style-type: none"> • Diagnostics via email • Galvanic isolation 		No Yes
Display version		
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • as AS-Interface 		1
<ul style="list-style-type: none"> • acc. to RS 485 		0
<ul style="list-style-type: none"> • acc. to Industrial Ethernet 		0
<ul style="list-style-type: none"> • acc. to PROFINET 		0
<ul style="list-style-type: none"> • acc. to wireless 		0
<ul style="list-style-type: none"> • acc. to USB 		0
<ul style="list-style-type: none"> • other 		0
Product component optical interface		No
Protocol is supported		
<ul style="list-style-type: none"> • ASIsafe (Safety at work) protocol 		No
<ul style="list-style-type: none"> • PROFIsafe protocol 		No
<ul style="list-style-type: none"> • PROFIBUS protocol 		No
<ul style="list-style-type: none"> • PROFINET IO protocol 		No
<ul style="list-style-type: none"> • PROFINET CBA protocol 		No
<ul style="list-style-type: none"> • TCP/IP 		No
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • for 31 slaves 	ms	5
<ul style="list-style-type: none"> • 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	EMC	For use in hazardous locations	Declaration of Conformity
---------------------------------	------------	---------------------------------------	----------------------------------

[FM](#)



[Miscellaneous](#)

Shipping Approval	other
--------------------------	--------------

[NK / Nippon Kaiji Kyokai](#)



ASi

[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

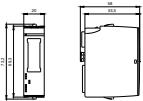
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7137-6SA00-0BC1>

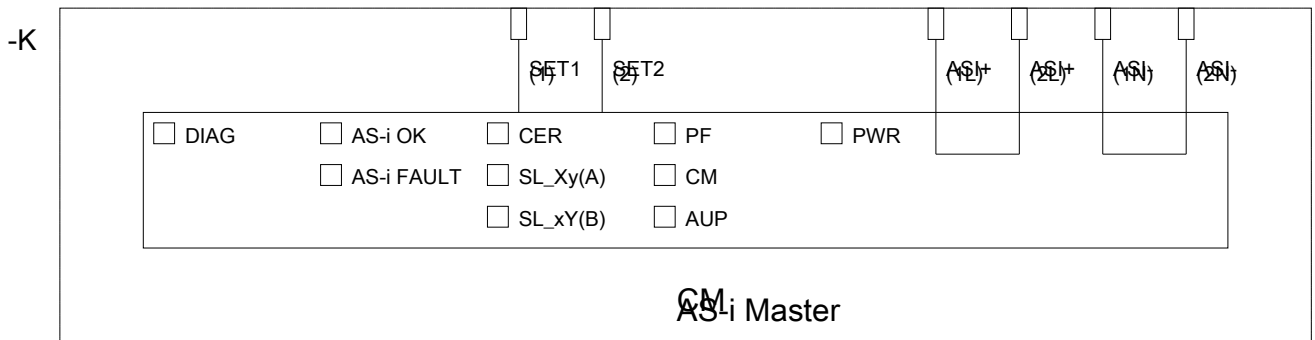
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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





last modified:

03/06/2020