

SIMATIC ET 200SP, COMMUNICATION MODULE CM  
AS-I MASTER ST ACCOR. AS-INTERFACE SPEC.  
V3.0



Figure similar

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

<ul style="list-style-type: none"> <li>• Diagnostics via email</li> <li>• Galvanic isolation</li> </ul>		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> </ul>		1
<ul style="list-style-type: none"> <li>• acc. to RS 485</li> </ul>		0
<ul style="list-style-type: none"> <li>• acc. to Industrial Ethernet</li> </ul>		0
<ul style="list-style-type: none"> <li>• acc. to PROFINET</li> </ul>		0
<ul style="list-style-type: none"> <li>• acc. to wireless</li> </ul>		0
<ul style="list-style-type: none"> <li>• acc. to USB</li> </ul>		0
<ul style="list-style-type: none"> <li>• other</li> </ul>		0
<b>Product component optical interface</b>		No
<b>Protocol is supported</b>		
<ul style="list-style-type: none"> <li>• ASIsafe (Safety at work) protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>• PROFI-safe protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>• PROFIBUS protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>• PROFINET IO protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>• PROFINET CBA protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>		No
<ul style="list-style-type: none"> <li>• SNMP</li> </ul>		No
<b>Standard for wireless communication IEEE 802.11</b>		No

#### Inputs/ Outputs:

<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>		
<ul style="list-style-type: none"> <li>• for 31 slaves</li> </ul>	ms	5
<ul style="list-style-type: none"> <li>• for 62 slaves</li> </ul>	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

#### Mechanical data:

<b>Width</b>	mm	20
<b>Height</b>	mm	69.2

Depth	mm	53.6
Mounting type		pluggable in BaseUnit
Module format		IP20






#### Ambient conditions:

<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

#### Safety related data:

<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

#### Certificates/ approvals:

General Product Approval	For use in hazardous locations	Declaration of Conformity	Shipping Approval
 UL		 ATEX	 EG-Konf.
			 GL
			<a href="#">NK / Nippon Kaiji Kyokai</a>

#### other



ASi

[Umweltbestätigung](#)

[Bestätigungen](#)

#### Further information

##### Information- and Downloadcenter (Catalogs, Brochures,...)

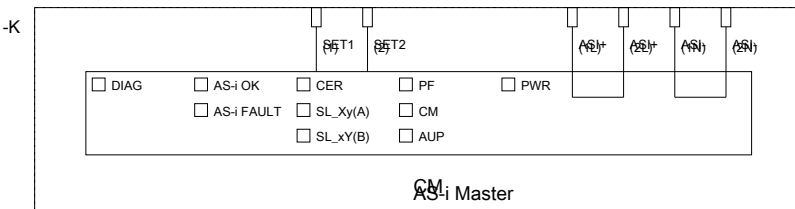
<http://www.siemens.com/industrial-controls/catalogs>

##### 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=3RK71376SA000BC1>



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