



SIMATIC ET 200SP communications module CM AS-i Master ST according to AS-Interface 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
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	5
power loss [W]	W	1.7
insulation voltage rated value	V	500
product feature redundancy capability		Yes
<ul style="list-style-type: none"> <li>note</li> </ul>		From firmware V1.1.0, PROFINET system redundancy S2, in conjunction with IM 155-6 PN HF / IM 155-6 MF HF. From firmware V1.1.11, PROFINET system redundancy R1, in conjunction with IM 155-6 PN R1.
product function suitable for AS-i Power24V		Yes
<ul style="list-style-type: none"> <li>note</li> </ul>		All product versions
product function suitable for operation on PROFINET R1 IMs		Yes
<ul style="list-style-type: none"> <li>note</li> </ul>		From firmware V1.1.11, PROFINET system redundancy R1, in conjunction with IM 155-6 PN R1.
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> </ul>		No
<ul style="list-style-type: none"> <li>galvanic isolation</li> </ul>		Yes
display version		
<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)
type of configuration of the AS-Interface		SET pushbutton (optional) on the device, STEP 7, 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"> <li>as AS-Interface</li> </ul>		1
<ul style="list-style-type: none"> <li>according to RS 485</li> </ul>		0
<ul style="list-style-type: none"> <li>according to Industrial Ethernet</li> </ul>		0
<ul style="list-style-type: none"> <li>according to PROFINET</li> </ul>		0

<ul style="list-style-type: none"> <li>• according to wireless</li> <li>• according to USB</li> <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> <li>• PROFI-safe protocol</li> <li>• PROFIBUS protocol</li> <li>• PROFINET IO protocol</li> <li>• PROFINET CBA protocol</li> <li>• TCP/IP</li> <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> <li>• for 62 slaves</li> </ul>	ms	5 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
<b>depth</b>	mm	53.6
<b>fastening method</b>		pluggable in BaseUnit
<b>module format</b>		IP20

#### Ambient conditions

<b>ambient temperature</b>		
<ul style="list-style-type: none"> <li>• if installed on horizontal mounting rail during operation</li> <li>• if installed on vertical mounting rail during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	°C	-25 ... +60 -25 ... +50 -40 ... +70 -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>		
<ul style="list-style-type: none"> <li>• EEx ia</li> <li>• EEx ib</li> </ul>		No No
<b>explosion protection category for gas</b>		II 3 G Ex ec IIC T4 Gc
<b>explosion protection category for dust</b>		none

#### Certificates/ approvals

<b>General Product Approval</b>	EMV
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[Confirmation](#)



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For use in hazardous locations

Test Certificates

Marine / Shipping

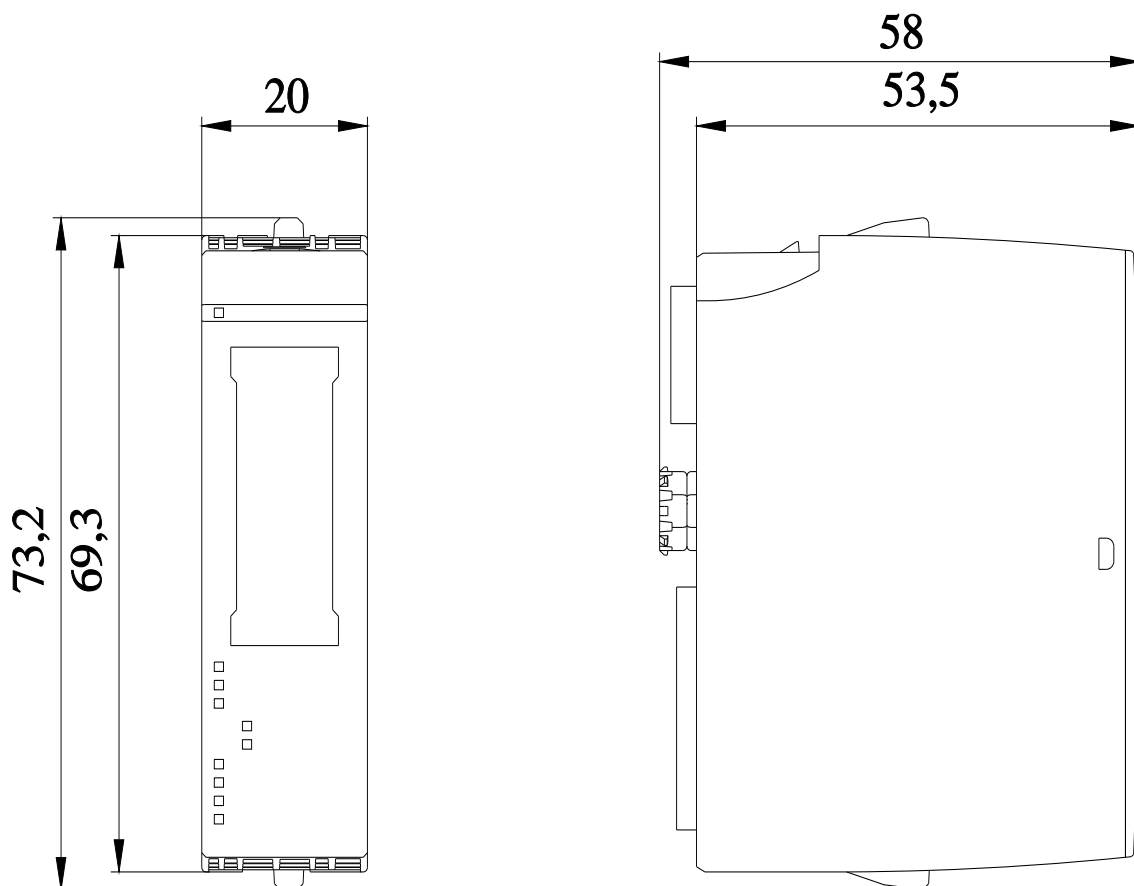


[Miscellaneous](#)

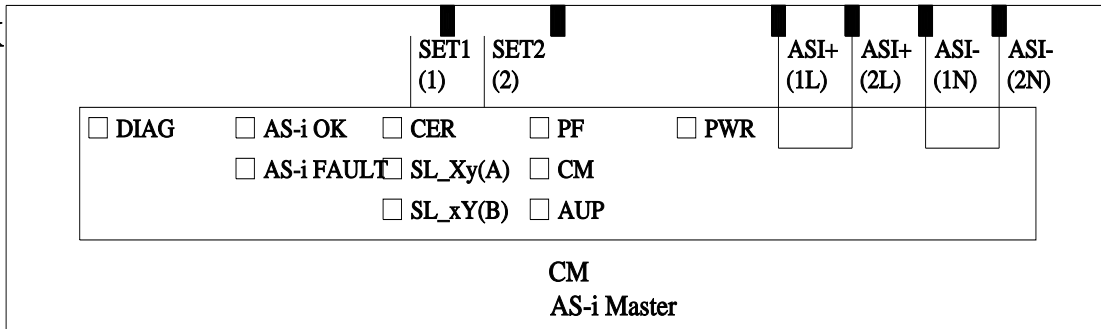


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