

SIMATIC S7-1200, CM 1243-2, COMMUNICATION  
MODULE AS-INTERFACE MASTER ACCOR. AS-  
INTERFACE SPEC. V3.0

General technical data:		
Product designation		AS-Interface Master
Product type designation		CM 1243-2
Protection class IP		IP20
Type of electrical connection of the AS-interface		Screw-type connection
Type of voltage supply		via 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	100
<ul style="list-style-type: none"> <li>from backplane bus maximum</li> </ul>	mA	250
Power loss [W]	W	2.9
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> </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>		AS-i, PF, CM, CER, DIAG
Type of configuration of the AS-interface		With STEP 7, 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		S7-1200 backplane bus
Number of units per CPU maximum		1
Number of interfaces		
<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

• acc. to USB		0
• other		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

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>		
• 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

Mechanical data:		
<b>Width</b>	mm	30
<b>Height</b>	mm	100
<b>Depth</b>	mm	75
<b>Mounting type</b>		snap-on fastening on 35 mm standard rail
<b>Module format</b>		S7-1200 design

Ambient conditions:		
<b>Ambient temperature</b>		
• if installed on horizontal mounting rail	°C	0 ... 55
• if installed on vertical mounting rail during operation	°C	0 ... 45
• 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

Explosion protection marking for intrinsic safety of related equipment		No
<ul style="list-style-type: none"> <li>• EEx ia</li> <li>• EEx ib</li> </ul>		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
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[FM](#)



UL



[Explosionsschutzzer  
tifikat](#)



ATEX



EG-Konf.

Shipping Approval	other
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GL

[NK / Nippon Kaiji  
Kyokai](#)



ASi

[Bestätigungen](#)

[Umweltbestätigung](#)

#### 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

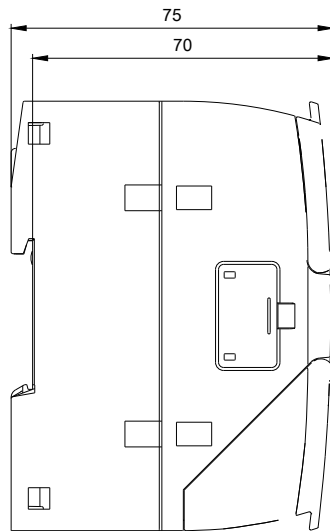
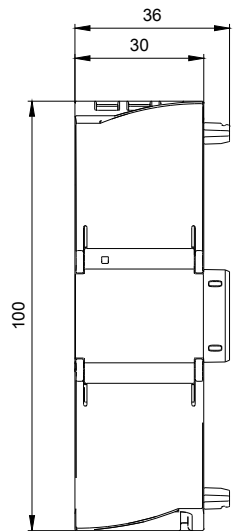
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK72432AA300XB0>

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

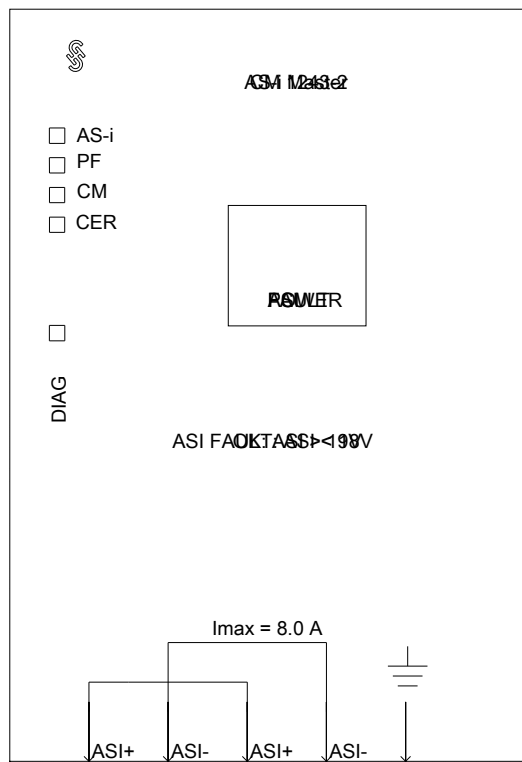
<https://support.industry.siemens.com/cs/ww/en/ps/3RK72432AA300XB0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK72432AA300XB0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK72432AA300XB0&lang=en)



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