

SIMATIC S7-1200, CM 1243-2 communication module AS-Interface master according to AS-i specification V3.0



General technical data		
<b>product designation</b>		AS-Interface Master
<b>product type designation</b>		CM 1243-2
<b>protection class IP</b>		IP20
<b>type of electrical connection of the AS-Interface</b>		Screw-type connection
<b>type of voltage supply</b>		via backplane bus
<b>consumed current</b>		
• from profile conductors of the AS-Interface		
— at 30 V maximum	mA	100
• from backplane bus maximum	mA	250
<b>power loss [W]</b>	W	2.9
<b>insulation voltage rated value</b>	V	500
<b>product feature redundancy capability</b>		No
<b>product function suitable for AS-i Power24V</b>		Yes
• note		All product versions
<b>product function</b>		
• web-based management		No
• diagnostics via email		No
• galvanic isolation		Yes
<b>display version</b>		
• as status display by LED		AS-i, PF, CM, CER, DIAG
<b>type of configuration of the AS-Interface</b>		With STEP7, 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>		S7-1200 backplane bus
<b>number of units per CPU maximum</b>		3
<b>number of units per CPU maximum note</b>		Max. 3 communication modules in total (CM /CP)
<b>number of interfaces</b>		
• as AS-Interface		1
• according to RS 485		0
• according to Industrial Ethernet		0
• according to PROFINET		0
• according to wireless		0
• according to USB		0
• other		0
<b>product component optical interface</b>		No
<b>protocol is supported</b>		
• ASIsafe (Safety at work) protocol		No
• PROFIsafe 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>fastening method</b>		snap-on fastening on 35 mm DIN rail
<b>module format</b>		S7-1200 design

Ambient conditions		
<b>ambient temperature</b>		
• if installed on horizontal mounting rail during operation	°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
<b>explosion protection marking for intrinsic safety of related equipment</b>		
• EEx ia		No
• EEx ib		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	
General Product Approval	EMV



For use in hazardous locations	
Test Certificates	



Marine / Shipping	other	Environment
	<a href="#">Confirmation</a>	<a href="#">Environmental Confirmations</a>

## Further information

### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

### 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=3RK7243-2AA30-0XB0>

### Cax online generator

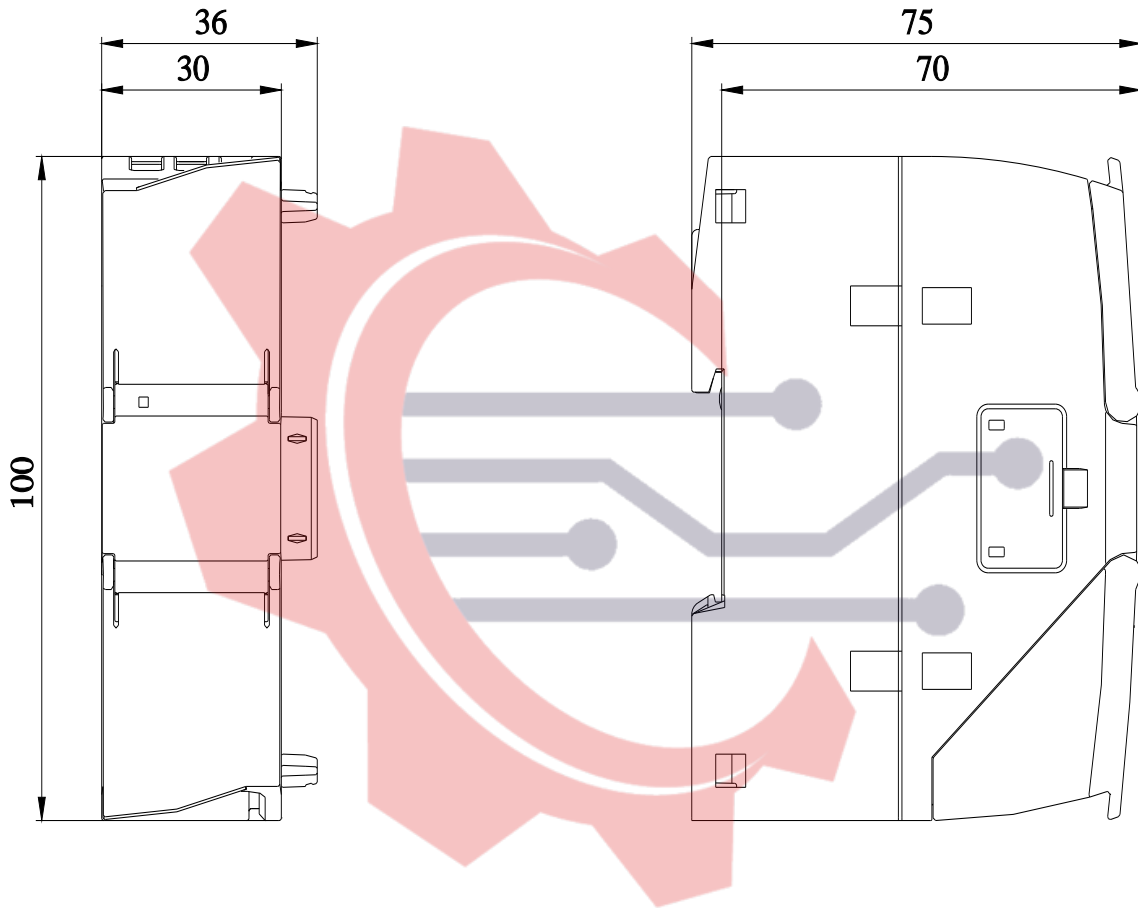
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7243-2AA30-0XB0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK7243-2AA30-0XB0>

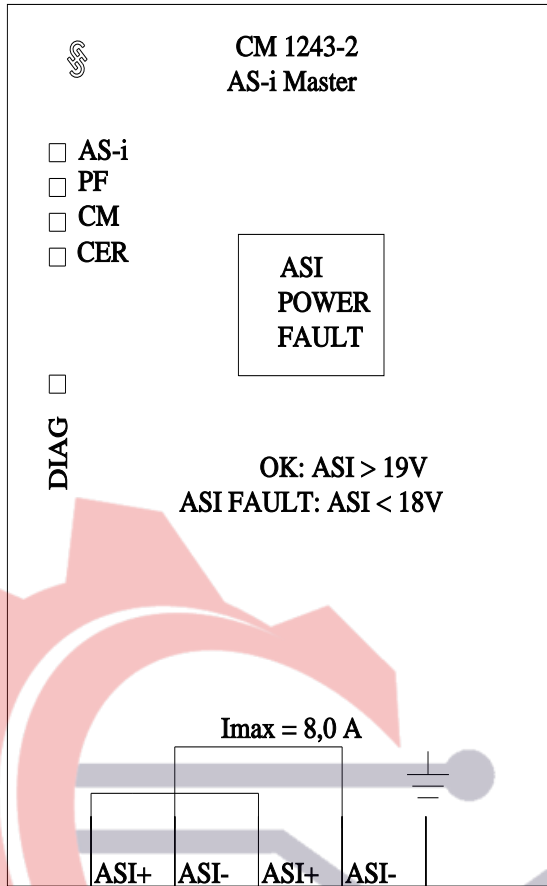
### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK7243-2AA30-0XB0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK7243-2AA30-0XB0&lang=en)



ماکان کنترول

-A1



- AS-i
- PF
- CM
- CER

DIAG

last modified:

3/11/2024

# ماکان کنترول