



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

Figure similar

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"> from profile conductors of the AS-interface <ul style="list-style-type: none"> — at 30 V maximum 	mA	100
<ul style="list-style-type: none"> from backplane bus maximum 	mA	250
Active power loss	W	2.9
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 property redundancy capability		No
Product function		
<ul style="list-style-type: none"> web-based management 		No
<ul style="list-style-type: none"> Diagnostics via email 		No
<ul style="list-style-type: none"> Galvanic isolation 		Yes
Display version		
<ul style="list-style-type: none"> as status display by LED 		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		
• as AS-interface		1
• acc. to RS 485		0
• acc. to Industrial Ethernet		0
• acc. to PROFINET		0
• acc. to wireless		0
• acc. to USB		0
• other		1
Product component optical interface		No
Protocol is supported		
• 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
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		
• for 31 slaves	ms	5
• for 62 slaves	ms	10
Access to digital I/O data		via process diagram/peripheral addresses and data record transfer
Access to analog I/O data		via process diagram/peripheral addresses and data record transfer

Mechanical data:

Width	mm	30
Height	mm	100
Depth	mm	75
Mounting type		snap-on fastening on 35 mm standard rail
Module format		S7-1200 design

Ambient conditions:

Ambient temperature		
• if installed on horizontal mounting rail	°C	0 ... 55

- if installed on vertical mounting rail during operation
- during transport
- during storage




°C	0 ... 45
°C	-40 ... +70
°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	For use in hazardous locations
FM  GOST	Explosion Protection Certificate  UL
 EAC	 ATEX

Declaration of Conformity	Shipping Approval	other
 EG-Konf.	 GL	 ASI
		Confirmation
		Environmental Confirmations

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

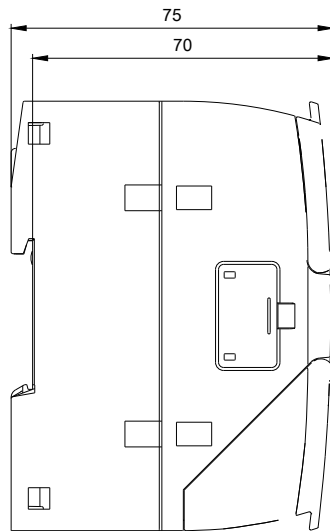
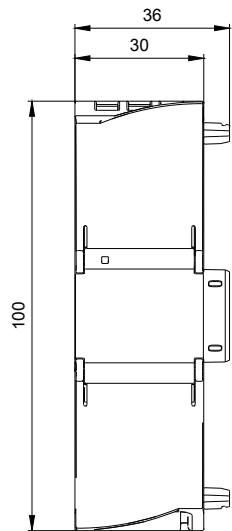
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK72432AA300XB0>

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

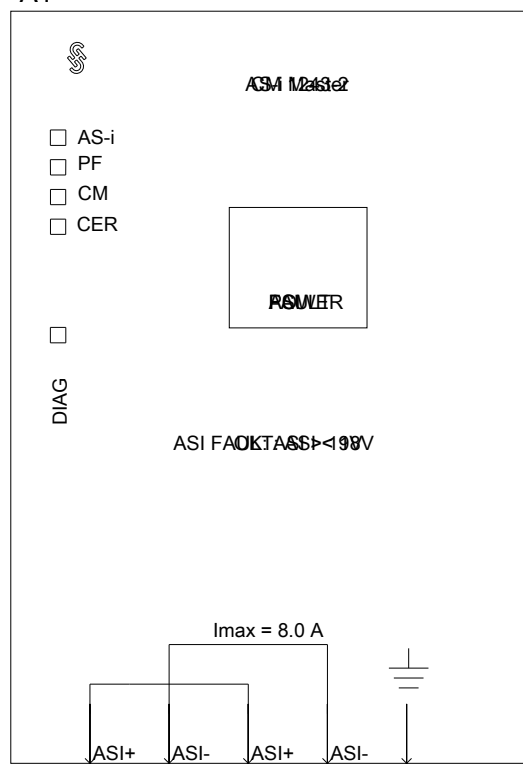
<https://support.industry.siemens.com/cs/ww/en/ps/3RK72432AA300XB0>

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



-A1



last modified:

16.03.2015