



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
Version 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 	mA	100
<ul style="list-style-type: none"> at 30 V / maximum 	mA	250
<ul style="list-style-type: none"> from backplane bus / maximum 		
Resistive loss	W	2.9
Insulation voltage / rated value	V	500
Product function / adapted for AS-i Power24V		Yes
<ul style="list-style-type: none"> comment 		All product versions
Product feature / redundancy capability		No
Product function / web-based management		No
Product function / diagnosis via E-mail		No
Product function / floating		Yes
<ul style="list-style-type: none"> as status display by LED 		AS-i, PF, CM, CER, DIAG

Type of projection / of the AS-interface		With STEP 7, command interface
Communication:		
Version / of the AS-interface specification		V 3.0
AS-interface masterprofile / is supported		M4 (in acc. with AS-interface specification V 3.0)
Type of data transmission		S7-1200 backplane bus
Number of modules / per CPU / maximum		1
Number of interfaces		
• 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
• others		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
Ein- und Ausgänge:		
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		
• at 31 slaves	ms	5
• at 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 design:		
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 / 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
Relative humidity / at 25 °C / during operating / maximum	%	95
Installation altitude / at a height over sea level / maximum	m	2,000

Safety:

Acceptability for application / safety-related function		No
Explosion protection marking / for intrinsic safety of related operating resources		
• 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	Declaration of Conformity
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[FM](#)



other



ASi

[Confirmation](#)

[Environmental Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

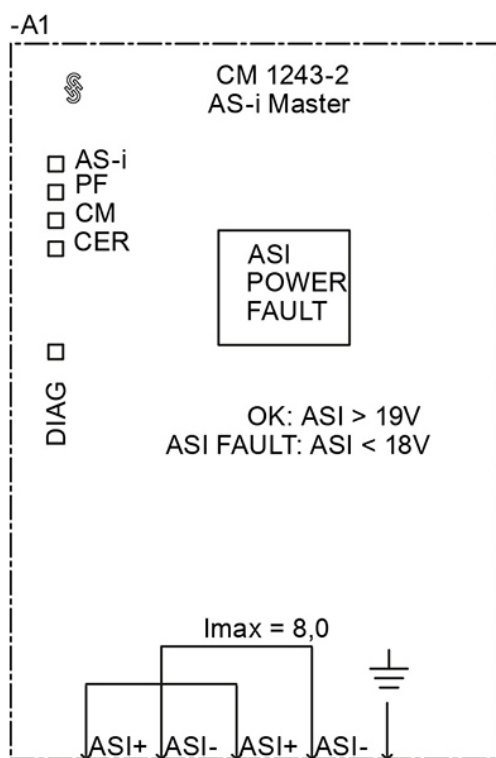
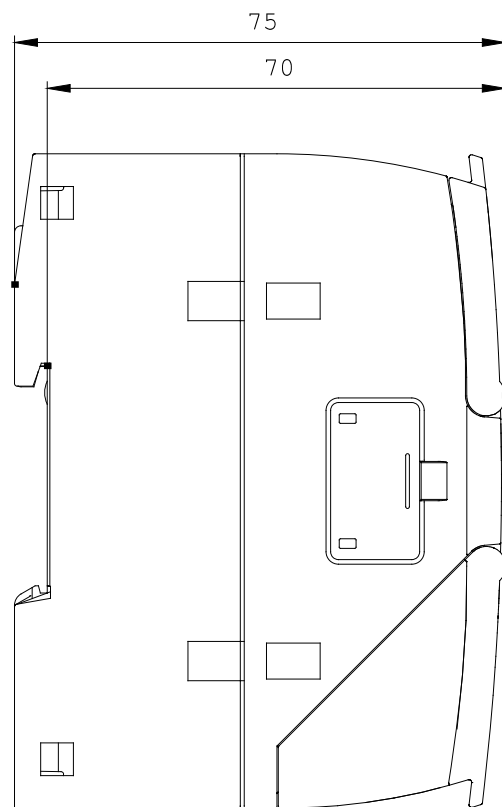
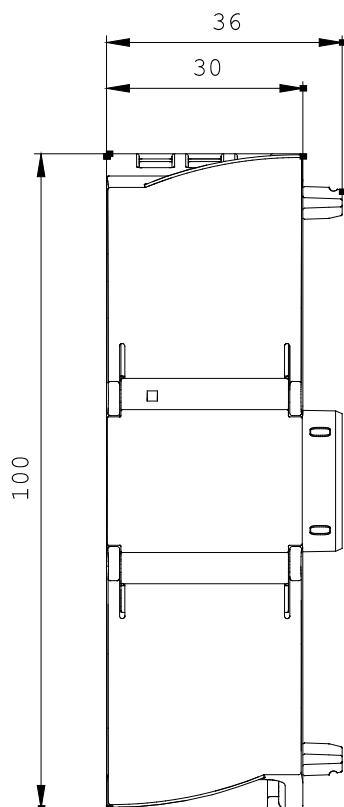
<http://www.siemens.com/industrial-controls/mall>

Cax online generator:

<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK7243-2AA30-0XB0/all>



last change:

Mar 31, 2014