



SIMATIC NET,
CP 243-2 COMMUNICATIONS PROCESSOR FOR
CONNECTION OF A SIMATIC S7-22X TO AN ASI-
INTERFACE WITH MASTER PROFILE M0E/M1E ACC.
EXTENDED ASI-SPECIFICATION V2.11

General technical data:

product designation		AS-Interface Master
Product-type designation		CP 243-2
Protection class IP		IP20
Design of the electrical connection / of the AS-Interface		Screw-type connection
Type of voltage supply		via backplane bus
Operating condition / separate power supply 24 V		No
Current consumed		
<ul style="list-style-type: none"> • from shaped cables of AS-Interface <li style="padding-left: 20px;">• with external 24 V-supply voltage / maximum • from backplane bus / maximum 	mA	100
	mA	220
Resistive loss	W	3.7
Insulation voltage / rated value	V	500
Product function / adapted for AS-i Power24V		No
Product feature / redundancy capability		No
Product function / web-based management		No
Product function / diagnosis via E-mail		No
Product function / galvanic isolation		Yes
<ul style="list-style-type: none"> • as status display by LED 		PWR, APF, CER, AUP, CM, SF
Type of projection / of the AS-interface		Set pushbutton on device, command interface

Communication:		
Version / of the AS-interface specification		V 2.11
AS-interface masterprofile / will be supported		M3 (in acc. with AS-interface specification V 2.1)
Type of data transmission		S7-200 backplane bus
Number of units / per CPU / maximum		2
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		2
Product component / optical interface		No
Protocol / will be supported		
• 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
Standard for wireless communication / IEEE 802.11		No

Ein- und Ausgänge:		
Number of inputs / for AS Interface / maximum		248
Number of outputs / for AS Interface / maximum		186
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 data record transfer

Mechanical design:		
Width	mm	71
Height	mm	80
Depth	mm	62
Type of mounting		snap-on fastening on 35 mm standard mounting rail or screw fastening using an additional push-in lug

Module format	S7-200 modular system
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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 labeling / 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

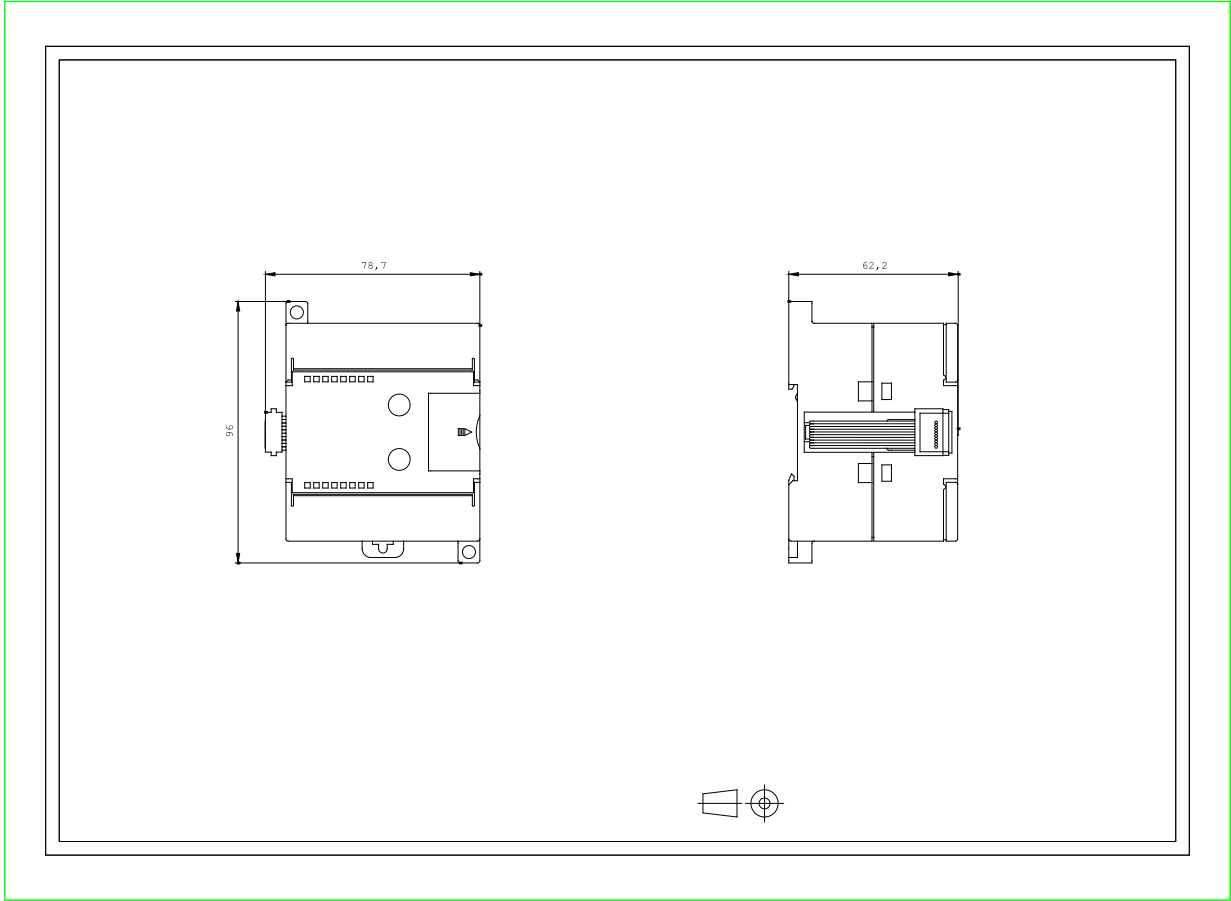
Certificates/approvals:

General Product Approval



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/WWW/view/en/6GK7243-2AX01-0XA0/all
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=6GK7243-2AX01-0XA0



last change:

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