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Data sheet 6GK7243-2AX01-0XA0



SIMATIC NET, CP 243-2 Communications processor for Connection of SIMATIC S7-22X to AS-Interface with Masterprofile M0E/M1E according to AS-i specification 2.11

General technical data		
product designation		AS-Interface Master
product type designation		CP 243-2
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via backplane bus
consumed current		
● from profile conductors of the AS-Interface		
— at 30 V maximum	mA	100
● from backplane bus maximum	mA	220
power loss [W]	W	3.7
insulation voltage rated value	V	500
product feature redundancy capability		No
product function suitable for AS-i Power24V		No
product function		
● web-based management		No
● diagnostics via email		No
● galvanic isolation		Yes
display version		
● as status display by LED		PWR, APF, CER, AUP, CM, SF
type of configuration of the AS-Interface		Set pushbutton on device, command interface
Communication/ Protocol		
version of the AS-Interface specification		V 2.11
AS-Interface master profile is 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
● other		0
product component optical interface		No
protocol is supported		
● ASIsafe (Safety at work) protocol		No
● PROFIsafe protocol		No
● PROFIBUS protocol		No

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● 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		248
number of outputs for AS-Interface maximum		186
number of AS-i devices per AS-Interface maximum		62
bus cycle time of the AS-Interface		
● for 31 devices	ms	5
● for 62 devices	ms	10
access to digital I/O data		via process image/peripheral addresses
access to analog I/O data		via process image/peripheral addresses
Mechanical data		
width	mm	71
height	mm	80
depth	mm	62
fastening method		snap-on fastening on 35 mm DIN rail or screw fastening using an additional push-in lug
module format		S7-200 modular system
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 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		II 3 G Ex nA IIC T4 Gc
explosion protection category for dust		none

Certificates/ approvals

General Product Approval			EMV	For use in hazardous locations	
Declaration of Conformity	UL	EAC	RCM	IECEx	ATEX

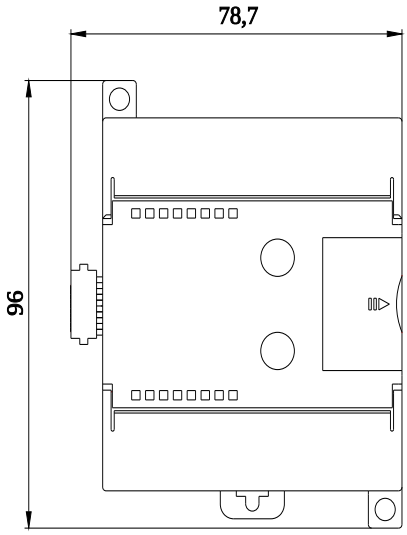
For use in hazardous locations			Maritime application		other
Miscellaneous	FM	ATEX	GL	RMRS	Confirmation

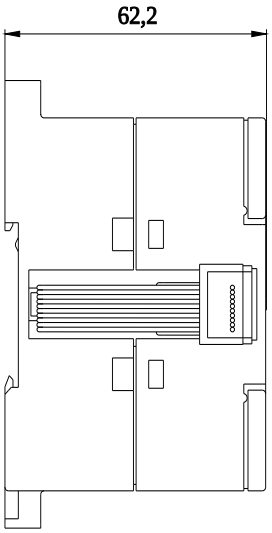
other	Environment	Industrial Communication
产品合格 QC PASS	Environmental Confirmations	ASi

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Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=6GK7243-2AX01-0XA0
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK7243-2AX01-0XA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6GK7243-2AX01-0XA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK7243-2AX01-0XA0&lang=en





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