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Data sheet 6GK7343-2AH01-0XA0



SIMATIC NET, CP 343-2 Communications processor for Connection of SIMATIC S7-300 and ET 200M to AS-Interface according to AS-Interface Specification V3.0

General technical data		
product designation		AS-Interface Master
product type designation		CP 343-2 (AS-i V 3.0)
protection class IP		IP20
type of electrical connection of the AS-Interface		S7-300, front connector, 20-pin
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	200
power loss [W]	W	4
insulation voltage rated value	V	500
product feature redundancy capability		Yes
● note		in connection with redundant IM153
product function suitable for AS-i Power24V		Yes
● note		from product status 2 / firmware V3.1
product function		
● web-based management		No
● diagnostics via email		No
● galvanic isolation		Yes
display version		
● as status display by LED		RUN, APF, CER, AUP, CM, SF
type of configuration of the AS-Interface		Set pushbutton on device, STEP7, 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		S7-300 / ET 200M backplane bus
number of units per CPU maximum note		Limited only by current draw from backplane bus
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

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• 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 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 data record transfer
Mechanical data		
width	mm	40
height	mm	125
depth	mm	120
fastening method		S7 mounting rail
module format		S7-300 modular system
Ambient conditions		
ambient temperature		
• if installed on horizontal mounting rail during operation	°C	0 ... 60
• if installed on vertical mounting rail during operation	°C	0 ... 40
• 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 ec IIC T4 Gc
explosion protection category for dust		none

Certificates/ approvals

General Product Approval					EMV
FM	UL	cULus	EAC	CE EG-Konf.	RCM

For use in hazardous locations			Test Certificates
CCC-Ex	ATEX	IECEx	Special Test Certificate

Miscellaneous	
	UL

Maritime application	other		Environment
PRS	Confirmation	产品合格 QC PASS	Environmental Confirmations

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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=6GK7343-2AH01-0XA0
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK7343-2AH01-0XA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6GK7343-2AH01-0XA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK7343-2AH01-0XA0&lang=en

last modified: 4/1/2025

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