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Data sheet 6GK7343-2AH00-0XA0

SIMATIC NET, CP 343-2 COMMUNICATIONS PROCESSOR FOR CONNECTION OF SIMATIC S7-300 AND ET200M TO AS-INTERFACE ACC. TO EXTENDED AS-INTERFACE MASTER PROFILE M0E/M1E. (W/O FRONT CONNECTOR)

General technical data:		
Product designation		AS-Interface Master
Product type designation		CP 343-2 (AS-i V 2.11)
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
Operating condition separate power supply 24 V		No
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 function suitable for AS-i Power24V		No
Product feature redundancy capability		Yes
• Note		in connection with redundant IM153
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, 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		S7-300 / 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
• acc. to RS 485		0
• acc. to Industrial Ethernet		0
• acc. to PROFINET		0

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• acc. to wireless		0
• acc. 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
• 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 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 image/peripheral addresses
Access to analog I/O data		via data record transfer

Mechanical data:		
Width	mm	40
Height	mm	125
Depth	mm	120
Mounting type		S7 mounting rail
Module format		S7-300 modular system

Ambient conditions:		
Ambient temperature		
• if installed on horizontal mounting rail	°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

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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	EMC	Declaration of Conformity		Shipping Approval	other
EAC	RCM	CE EG-Konf.	Miscellaneous	BUREAU VERITAS	Confirmation

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=6GK7343-2AH00-0XA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6GK7343-2AH00-0XA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK7343-2AH00-0XA0&lang=en

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