# SIEMENS

| 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 |
| 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 | | Yes |
| • Note | | from product status 2 / firmware V3.1 |
| 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, 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 |
| • acc. to RS 485 | | 0 |
| • acc. to Industrial Ethernet | | 0 |
| • acc. to PROFINET | | 0 |
| • 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** | | 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** | | |
| • 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 |

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| 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 |
|---|---|---|
| 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 | For use in hazardous locations | Declaration of Conformity |
|---|---|---|---|---|---|
| FM | UL | EAC | C-Tick | ATEX | CE EG-Konf. |

| Shipping Approval | other |
|---|---|
| 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=6GK7343-2AH01-0XA0

**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, ...)**

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK7343-2AH01-0XA0&lang=en

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