



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 |
| depth | mm | 120 |
| fastening method | | 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 |

[FM](#)



| Declaration of Conformity | Shipping Approval | other |
|---------------------------|-------------------|-------|
|---------------------------|-------------------|-------|



[Miscellaneous](#)



[Confirmation](#)

Further information

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

<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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