



SIMATIC NET, IE/AS-INTERFACE LINK PN IO; GATEWAY INDUSTRIAL ETHERNET/ AS-INTERFACE WITH MASTER PROFILE M3, M4 ACC. TO EXTENDED AS-I SPEC. V3.0 FOR INTEGRATION IN PROFINET IO; SINGLE MASTER WITH DISPLAY; DEGREE OF PROTECTION IP20. CONFIGURATION WITH STEP 7 TIA PORTAL IS POSSIBLE ONLY VIA GSD.

General technical data:

| | | |
|--|----|---------------------------------------|
| Product designation | | PROFINET IO/AS-Interface Link |
| Product type designation | | IE/AS-i LINK PN IO (single master) |
| Protection class IP | | IP20 |
| Type of electrical connection of the AS-interface | | Screw-type connection |
| Type of voltage supply | | via AS-i or 24 V DC |
| Operating condition separate power supply 24 V | | No |
| Supply voltage from optional external supply voltage at DC | V | 24 |
| Consumed current | | |
| • from profile conductors of the AS-interface | | |
| — at 30 V maximum | mA | 320 |
| — at 24 V with AS-i Power24V maximum | mA | 320 |
| Power loss [W] | W | 9.6 |
| Insulation voltage rated value | V | 500 |
| Product function suitable for AS-i Power24V | | No |
| • Note | | from product status 4 / firmware V2.2 |
| Product feature redundancy capability | | No |
| Product function | | |

| | | |
|---|--|---|
| <ul style="list-style-type: none"> • web-based management • Diagnostics via email • Galvanic isolation | | Yes |
| | | Yes |
| | | Yes |
| Display version | | |
| <ul style="list-style-type: none"> • as status display by LED • as status indication through display | | SF, BF, ON, APF, CER, AUP, CM LCD display, full graphic, backlighting, 128 x 64 pixels |
| Type of configuration of the AS-interface | | Operator display, integrated web server, STEP7, GSD, 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 | | PROFINET |
| Number of interfaces | | |
| <ul style="list-style-type: none"> • as AS-interface | | 1 |
| <ul style="list-style-type: none"> • acc. to RS 485 | | 0 |
| <ul style="list-style-type: none"> • acc. to Industrial Ethernet | | 2 |
| <ul style="list-style-type: none"> • acc. to PROFINET | | 2 |
| <ul style="list-style-type: none"> • acc. to wireless | | 0 |
| <ul style="list-style-type: none"> • acc. to USB | | 0 |
| <ul style="list-style-type: none"> • other | | 1 |
| Product component optical interface | | No |
| Protocol is supported | | |
| <ul style="list-style-type: none"> • ASIsafe (Safety at work) protocol | | No |
| <ul style="list-style-type: none"> • PROFIsafe protocol | | No |
| <ul style="list-style-type: none"> • PROFIBUS protocol | | No |
| <ul style="list-style-type: none"> • PROFINET IO protocol | | Yes |
| <ul style="list-style-type: none"> • PROFINET CBA protocol | | No |
| <ul style="list-style-type: none"> • TCP/IP | | Yes |
| <ul style="list-style-type: none"> • SNMP | | Yes |
| 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 | | |
| <ul style="list-style-type: none"> • for 31 slaves | ms | 5 |
| <ul style="list-style-type: none"> • for 62 slaves | ms | 10 |
| Access to digital I/O data | | via process image/peripheral addresses |
| Access to analog I/O data | | via process diagram/peripheral addresses and data record transfer |

Mechanical data:

| | | |
|---------------|----|--|
| Width | mm | 90 |
| Height | mm | 132 |
| Depth | mm | 88.5 |
| Mounting type | | snap-on fastening on 35 mm standard rail |
| Module format | | IP20 |






Ambient conditions:

| | | |
|--|----|-------------|
| Ambient temperature | | |
| • if installed on horizontal mounting rail | °C | 0 ... 60 |
| • during transport | °C | -30 ... +70 |
| • during storage | °C | -30 ... +70 |
| Relative humidity at 25 °C during operation maximum | % | 95 |
| Installation altitude at height above sea level maximum | m | 3 000 |

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 | Shipping Approval | other |
|---|---|---|---|---|------------------------------|
|  UL |  C-Tick |  ATEX |  EG-Konf. |  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&mfb=6GK1411-2AB10>

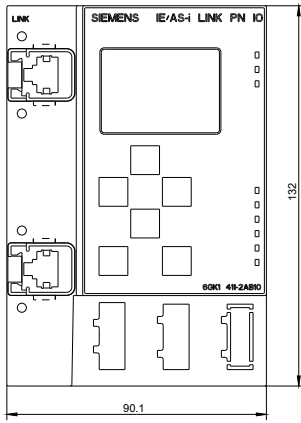
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/6GK1411-2AB10>

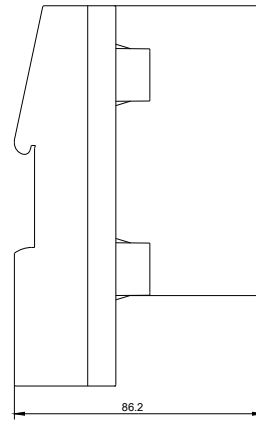
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=6GK1411-2AB10&lang=en

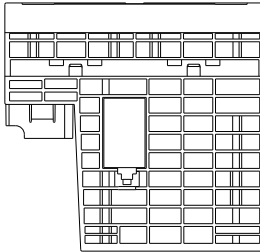
Vorne / Front



Links / Left



Oben / Top



last modified:

06/12/2017