



SIMATIC NET, DP/AS-Interface Link advanced, Gateway PROFIBUS DP/AS-Interface with master profile M3, M4 according to AS-i specification V3.0 for integration in PROFIBUS DP, Single master with display, Degree of protection IP20

General technical data

| | | |
|--|----|---------------------------------------|
| Product designation | | PROFIBUS DP/AS-Interface Link |
| Product type designation | | DP/AS-i LINK Advanced (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 | 250 |
| — at 24 V with AS-i Power24V maximum | mA | 250 |
| Power loss [W] | W | 7.5 |
| Insulation voltage rated value | V | 500 |
| Product function suitable for AS-i Power24V | | Yes |
| • Note | | from product status 4 / firmware V2.2 |
| Product feature redundancy capability | | Yes |
| • Note | | in connection with Y-Link |

| | | |
|--|--|--|
| Product function | | |
| • web-based management | | Yes |
| • Diagnostics via email | | Yes |
| • Galvanic isolation | | Yes |
| Display version | | |
| • as status display by LED | | SF, BF, ON, APF, CER, AUP, CM |
| • as status indication through display | | 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 | | PROFIBUS |
| Number of interfaces | | |
| • as AS-Interface | | 1 |
| • acc. to RS 485 | | 1 |
| • acc. to Industrial Ethernet | | 1 |
| • acc. to PROFINET | | 0 |
| • acc. to wireless | | 0 |
| • acc. to USB | | 0 |
| • other | | 1 |
| Product component optical interface | | No |
| Protocol is supported | | |
| • ASIsafe (Safety at work) protocol | | No |
| • PROFIsafe protocol | | No |
| • PROFIBUS protocol | | Yes |
| • PROFINET IO protocol | | No |
| • PROFINET CBA protocol | | No |
| • TCP/IP | | Yes |
| • 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 | | |
| • 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 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 |

[FM](#)



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

[Miscellaneous](#)



[Confirmation](#)

| Further information |
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| 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=6GK1415-2BA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2BA10>

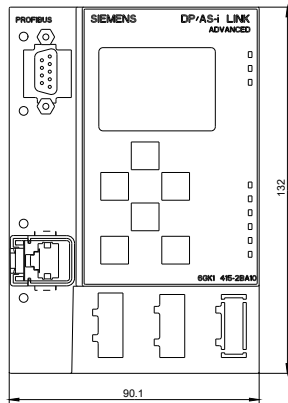
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/6GK1415-2BA10>

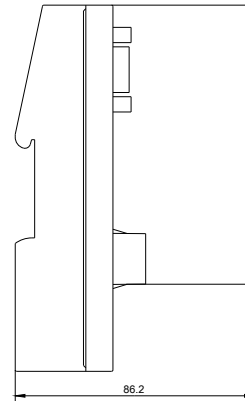
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1415-2BA10&lang=en

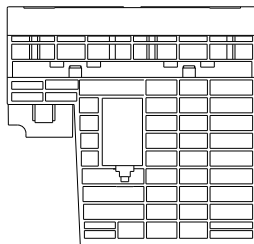
Vorne / Front



Links / Left



Oben / Top



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