

Data sheet

6GK5991-2VA00-8AA2

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|---|--|
| product type designation | BA 2xRJ45VD HA |
| product description | BusAdapter VD |
|  | ***** spare part ***** BA 2xRJ45VD HA, bus adapter VVD (variable distance), for Ethernet communication via 2, 4 or 8-wire copper cables, 2xRJ45 sockets for Industrial Ethernet and PROFINET, extended temperature range -40 °C...+70 °C, conformal coating, installation altitude up to 4000 m, distances up to 2 wire up to 1000 m at 10 Mbps 2 wire up to 100 m at 100 Mbps 4 wire up to 300 m at 100 Mbps 8 wire up to 500 m at 100 Mbps . |
| suitability for use | Ethernet transmission via 2, 4 and 8-wire line |
| suitability for operation | Products with BusAdapter interface (requirement: the BusAdapter is approved in the firmware of the basic unit) |
| interfaces | |
| number of electrical connections | |
| • for network components or terminal equipment / maximum | 2 |
| number of 10/100 Mbit/s RJ45 ports | 2 |
| type of electrical connection | |
| • for network components or terminal equipment | RJ45 |
| operating mode | |
| • standard Ethernet | Yes |
| • VD | Yes; Depending on number of wires (2, 4 or 8-wire) |
| standards, specifications, approvals | |
| certificate of suitability | |
| • CCC / for hazardous zone according to GB standard | Yes; GB3836.1, GB3836.8 |
| • CCC / for hazardous zone according to GB standard / as marking | Ex nA IIC T4 Gc |
| further information / internet links | |
| internet link | <ul style="list-style-type: none"> • to website: Selection guide for cables and connectors https://support.industry.siemens.com/cs/ww/en/view/109766358 • to web page: selection aid TIA Selection Tool https://www.siemens.com/tstcloud • to website: Industrial communication https://www.siemens.com/simatic-net • to web page: SiePortal https://sieportal.siemens.com/ • to website: Image database https://www.automation.siemens.com/bilddb • to website: Industry Online Support https://support.industry.siemens.com |
| security information | |
| security information | <p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available</p> |

and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under [https://www.siemens.com/cert. \(V4.7\)](https://www.siemens.com/cert. (V4.7))

Approvals / Certificates

General Product Approval

For use in hazardous locations



[Declaration of Conformity](#)



For use in hazardous locations



[FM](#)

[CCC-Ex](#)

IECEx

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