

product type designation

product description



BA 2xRJ45VD HA

BusAdapter VD

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 4000m, distances up to 2 wire up to 1000 m at 10 Mbit/s 2 wire up to 100 m at 100 Mbit/s 4 wire up to 300 m at 100 Mbit/s 8 wire up to 500 m at 100 Mbit/s .

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
- VD

Yes

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
- CCC / for hazardous zone according to GB standard / as marking

Yes; GB3836.1, GB3836.8

Ex nA IIC T4 Gc

reference code

- according to IEC 81346-2:2019

KEC

further information / internet links

internet link

- to website: Selection guide for cables and connectors
- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/109766358>

<https://www.siemens.com/tstcloud>

<https://www.siemens.com/simatic-net>

<https://sieportal.siemens.com/>

<https://www.automation.siemens.com/bilddb>

<https://support.industry.siemens.com>

security information

security information

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recommends that product updates are applied as soon as they are available 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)

Approvals / Certificates

General Product Approval	For use in hazardous locations
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[Declaration of Conformity](#)



For use in hazardous locations



[FM](#)

[CCC-Ex](#)

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