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Data sheet 6GK5991-2VA00-8AA2

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 .

product brand name	SCALANCE
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	
● 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	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

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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



Declaration of Conformity









For use in hazardous locations





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