

Data sheet

6GK1901-1BB20-2AA0

product type designation

product description



IE FC RJ45 Plug 90 (2x2)

RJ45 data connector

Industrial Ethernet FastConnect RJ45 plug 90 2x 2, RJ45 plug-in connector (10/100 Mbit/s) with rugged metal enclosure and FC connection system, for IE FC TP Cable 2x 2; 90° cable outlet 1 pack = 1 unit.

Technical Product Detail Page

<https://l.siemens.com/1P6GK1901-1BB20-2AA0>

suitability for use

For connection to IE FC TP cables 2x2, suitable for fast assembly with the FastConnect system

transfer rate

transfer rate / for Industrial Ethernet 10, 100 Mbit/s

interfaces

number of electrical connections

- for Industrial Ethernet FC TP cables 4
- for network components or terminal equipment 1

type of electrical connection

- for Industrial Ethernet FC TP cables integrated cut-and-clamp contacts for 4-wire TP FC installation cable AWG22
- for network components or terminal equipment RJ45 connector

type of electrical connection / FastConnect

Yes

mechanical data

material / of the enclosure metal

number of reuses 10

locking mechanism design other

design, dimensions and weights

type of cable outlet 90° cable outlet

width 13.7 mm

height 16 mm

depth 42 mm

net weight 35 g

connectable cable cross-section 6.5 ... 6.5 mm

connectable conductor cross-section 0.33 mm²

ambient conditions

ambient temperature

- during operation -40 ... +85 °C
- during storage -40 ... +85 °C
- during transport -40 ... +85 °C

relative humidity

- at 25 °C / without condensation / during operation / maximum 95 %

protection class IP IP20

product features, product functions, product components / general

product feature

- PoE capability Yes

| | |
|---|-----|
| <ul style="list-style-type: none"> PoE+ capability silicon-free | Yes |
| product component | Yes |
| <ul style="list-style-type: none"> strain relief | Yes |

standards, specifications, approvals

| | |
|---|--|
| certificate of suitability | |
| <ul style="list-style-type: none"> RoHS conformity UL approval cULus approval railway application in accordance with EN 50155 | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> |
| resistance to air pollution / conformity according to ANSI/ISA-71.04 | Yes; G3 |
| standard for structured cabling | Cat5 |

standards, specifications, approvals / Environmental Product Declaration

| | |
|--|---|
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| <ul style="list-style-type: none"> total during manufacturing during operation after end of life | <p>0.277 kg</p> <p>0.263 kg</p> <p>0.0086 kg</p> <p>0.0062 kg</p> |

further information / internet links

| | |
|---|--|
| internet link | |
| <ul style="list-style-type: none"> 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: CAX-Download-Manager to website: Industry Online Support | <p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p> |

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 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)</p> |
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Approvals / Certificates

General Product Approval

[Declaration of Conformity](#)



[China RoHS](#)



[Miscellaneous](#)

| | | | |
|--------------------------|-------------------|----------------------|-------------|
| General Product Approval | Test Certificates | Maritime application | Environment |
|--------------------------|-------------------|----------------------|-------------|



[Special Test Certificate](#)



Industrial Communication

[PROFINET](#)

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