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## Data sheet 6GK5204-2BB10-2CA2



- - spare part - - SCALANCE X204-2TS; managed IE switch; 4x 10/100 Mbps RJ45 ports; 2x 100 Mbps multimode BFOC; LED diagnostics; error signaling contact with set pushbutton; redundant power supply; PROFINET I/O device; network management; redundancy manager integrated, including electronic manual on CD-ROM, C-PLUG optional.

| | |
|---|---|
| **product type designation** | |
| product brand name | SCALANCE |
| product type designation | X204-2TS |
| design of the product | 4x 10/100 Mbit/s RJ45, 2x 100 Mbit/s Multimode ST/BFOC |
| **transfer rate** | |
| transfer rate | 10, 100 Mbit/s |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 4 |
| number of 10/100 Mbit/s RJ45 ports | |
| ● with securing collar | 4 |
| number of 100 Mbit/s ST(BFOC) ports | |
| ● for multimode | 2 |
| **interfaces / other** | |
| number of electrical connections | |
| ● for signaling contact | 1 |
| ● for power supply | 1 |
| type of electrical connection | |
| ● for signaling contact | 2-pole terminal block |
| ● for power supply | 4-pole terminal block |
| design of the removable storage | |
| ● C-PLUG | Yes |
| operating voltage / of the signaling contacts | |
| ● at DC / rated value | 24 V |
| operational current / of the signaling contacts | |
| ● at DC / maximum | 0.05 A |
| **supply voltage, current consumption, power loss** | |
| product component / connection for redundant voltage supply | Yes |
| **type of voltage / 1 / of the supply voltage** | DC |
| ● supply voltage / 1 / rated value | 12 V |
| ● power loss [W] / 1 / rated value | 6.6 W |
| ● consumed current / 1 / maximum | 0.6 A |
| ● type of electrical connection / 1 / for power supply | 4-pole terminal block |
| ● product component / 1 / fusing at power supply input | Yes |
| ● fuse protection type / 1 / at input for supply voltage | 3 A / 32 V |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -40 ... +70 °C |
| ● during storage | -40 ... +70 °C |


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|---|---|
| ● during transport | -40 ... +70 °C |
| ● note | If the IE switch X-204-2TS is installed horizontally, a maximum ambient temperature of +40 °C is permitted |
| relative humidity | |
| ● at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| **design, dimensions and weights** | |
| design | compact |
| width | 60 mm |
| height | 125 mm |
| depth | 124 mm |
| net weight | 0.78 kg |
| product feature / conformal coating | Yes |
| fastening method | |
| ● 35 mm DIN-rail mounting | Yes |
| ● wall mounting | Yes |
| ● S7-300 rail mounting | Yes |
| ● S7-1500 rail mounting | No |
| **product features, product functions, product components / general** | |
| cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s | 100 |
| cascading in cases of star topology | any (depending only on signal propagation time) |
| **product functions / management, configuration, engineering** | |
| product function | |
| ● CLI | Yes |
| ● web-based management | Yes |
| ● MIB support | Yes |
| ● TRAPs via email | Yes |
| ● configuration with STEP 7 | Yes |
| ● port mirroring | Yes |
| ● multiport mirroring | No |
| ● with IRT / PROFINET IO switch | No |
| ● PROFINET IO diagnosis | Yes |
| ● switch-managed | Yes |
| PROFINET conformity class | B |
| protocol / is supported | |
| ● Telnet | Yes |
| ● HTTP | Yes |
| ● HTTPS | Yes |
| ● TFTP | Yes |
| ● FTP | Yes |
| ● BOOTP | No |
| ● DCP | Yes |
| ● LLDP | Yes |
| ● SNMP v1 | Yes |
| ● SNMP v2 | Yes |
| ● SNMP v3 | Yes |
| identification & maintenance function | |
| ● I&M0 - device-specific information | Yes |
| ● I&M1 - higher level designation/location designation | Yes |
| **product functions / diagnostics** | |
| product function | |
| ● port diagnostics | Yes |
| ● statistics Packet Size | Yes |
| ● statistics packet type | Yes |
| ● error statistics | Yes |
| **product functions / DHCP** | |
| product function | |


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| | |
|---|---|
| ● DHCP client | Yes |
| **product functions / redundancy** | |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| ● media redundancy protocol (MRP) with redundancy manager | Yes |
| ● ring redundancy | Yes |
| ● high speed redundancy protocol (HRP) with redundancy manager | Yes |
| ● high speed redundancy protocol (HRP) with standby redundancy | No |
| ● Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| ● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| ● passive listening | Yes |
| **product functions / security** | |
| protocol / is supported | |
| ● SSH | Yes |
| **product functions / time** | |
| product function | |
| ● SICLOCK support | Yes |
| protocol / is supported | |
| ● NTP | No |
| ● SNTP | Yes |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● CE marking | Yes |
| ● KC approval | Yes |
| standard | |
| ● for safety / from CSA and UL | UL 60950-1 E115352, CSA C22.2 No. 60950-1 |
| **standards, specifications, approvals / hazardous environments** | |
| certificate of suitability | |
| ● CCC / for hazardous zone according to GB standard | Yes |
| **standards, specifications, approvals / other** | |
| certificate of suitability | |
| ● railway application in accordance with EN 50155 | Yes |
| ● railway application in accordance with EN 50121-4 | Yes |
| ● railway application in accordance with EN 50124-1 | No |
| **product functions / general** | |
| MTBF | 72.99 a |
| **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 website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● 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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## Approvals / Certificates

### General Product Approval

Declaration of Conformity | CCC | EAC | China RoHS | Manufacturer Declaration

### General Product Approval | EMV

Miscellaneous | RCM | EG-Konf. | China RoHS | UKCA | KC

### For use in hazardous locations | Maritime application

IECEx | ATEX | FM | CCC-Ex | Bureau Veritas | DNV

### Maritime application | Railway | Industrial Communication

Lloyd's Register LRS | Confirmation | PROFINET

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