# SIEMENS

**Data sheet**                          **6GK5204-0BA00-2YF2**



SCALANCE XF204 DNA managed IE Y-switch, IEC 62443-4-2 certified; two BusAdapters BA 2xRJ45 HA 4 x 10/100 Mbps, 2 x BusAdapter interface, error signaling contact, set pushbutton, redundant 24 V DC power supply, PROFINET device, extended temperature range -40 °C...+70 °C, conformal coating, with electronic manual on DVD, C-PLUG optional, delivery with BusAdapter.

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|---|---|
| **product type designation** | **SCALANCE XF204-2DNA** |
| product options | XF-200 basic device with mounted BusAdapter |
| **transfer rate** | |
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| **interfaces / for communication / maximum configuration for modular devices** | |
| number of electrical ports / maximum | 4 |
| number of optical ports / maximum | 2 |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 4 |
| **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 | 2-pole terminal block |
| design of the removable storage | |
| ● C-PLUG | Yes |
| **signal inputs/outputs** | |
| operating voltage / of the signaling contacts | |
| ● at DC / rated value | 24 V |
| operational current / of the signaling contacts | |
| ● at DC / maximum | 0.1 A |
| **supply voltage, current consumption, power loss** | |
| **type of voltage / 1 / of the supply voltage** | DC |
| ● supply voltage / 1 / rated value | 24 V |
| ● power loss [W] / 1 / rated value | 8.6 W |
| ● supply voltage / 1 / rated value | 19.2 ... 28.8 V |
| ● consumed current / 1 / maximum | 0.36 A |
| ● type of electrical connection / 1 / for power supply | 2-pole terminal block |
| ● product component / 1 / fusing at power supply input | Yes |
| ● fuse protection type / 1 / at input for supply voltage | 2.5 A (cannot be changed by user) |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -40 ... +70 °C |
| ● during storage | -40 ... +85 °C |
| ● during transport | -40 ... +85 °C |
| relative humidity | |
| ● at 25 °C / without condensation / during operation / | 95 % |

| | |
|---|---|
| maximum | |
| protection class IP | IP20 |
| **design, dimensions and weights** | |
| design | compact |
| width | 100 mm |
| height | 117 mm |
| depth | 74 mm |
| net weight | 0.25 kg |
| fastening method | |
| ● 35 mm top hat DIN rail mounting | Yes |
| ● wall mounting | No |
| ● S7-300 rail mounting | No |
| ● 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 | 50 |
| 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 | Yes |
| ● PROFINET IO diagnosis | Yes |
| PROFINET conformity class | B |
| product function / switch-managed | Yes |
| protocol / is supported | |
| ● Telnet | Yes |
| ● HTTP | Yes |
| ● HTTPS | Yes |
| ● TFTP | Yes |
| ● FTP | No |
| ● 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 | |
| ● DHCP client | Yes |
| **product functions / redundancy** | |
| product function | |
| ● of the PROFINET IO device / is supported / PROFINET system redundancy | Yes |
| ● ring redundancy | Yes |
| ● High Speed Redundancy Protocol (HRP) | Yes |
| ● high speed redundancy protocol (HRP) with redundancy manager | Yes |

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| | |
|---|---|
| ● high speed redundancy protocol (HRP) with standby redundancy | Yes |
| protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| product function | |
| ● media redundancy protocol (MRP) with redundancy manager | Yes |
| ● Media Redundancy Protocol for Planned Duplication (MRPD) | No |
| ● of the PROFINET IO device / is supported / H-Sync forwarding | Yes |
| ● Parallel Redundancy Protocol (PRP)/operation in the PRP-network | No |
| ● 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 | No |
| protocol / is supported | |
| ● NTP | No |
| ● SNTP | Yes |

**standards, specifications, approvals**

| | |
|---|---|
| IT security for industrial automation systems / according to IEC 62443-4-2:2019 | Yes |
| reference code | |
| ● according to IEC 81346-2 | KF |
| ● according to IEC 81346-2:2019 | KFE |

**further information / internet links**

| | |
|---|---|
| internet link | |
| ● to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |

**security information**

| | |
|---|---|
| security information | Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4) |

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