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## Data sheet 6GK5204-2AA00-2YF2



SCALANCE XF204-2BA DNA managed IE Y-switch, IEC 62443-4-2 certified; 4 x 10/100 Mbps, 2 x BusAdapter interface, error signaling contact, set button, redundant 24 V DC power supply, PROFINET device, extended temperature range -40 °C...+70 °C, conformal coating, with electr. manual on DVD, C-plug optional, supplied without BusAdapter

| | |
|---|---|
| **product type designation** | **SCALANCE XF204-2BA DNA** |
| product options | XF-200 base device without mounted BusAdapter |
| **transfer rate** | |
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| • for network components or terminal equipment | 0 |
| **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** | |


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| | |
|---|---|
| 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 | |
|---|---|
| product component / connection for redundant voltage supply | Yes |
| **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 |

| 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 / maximum | 95 % |
| 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 |
|---|


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| | |
|---|---|
| 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 |


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| | |
|---|---|
| • High Speed Redundancy Protocol (HRP) | Yes |
| • high speed redundancy protocol (HRP) with redundancy manager | Yes |
| • 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 |
| **system modification during operation** | |
| product function / configuration in RUN via CiR/H-CiR | Yes |
| **standards, specifications, approvals** | |
| standard | |
| • for FM | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4 |
| • for hazardous zone | EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X |
| • for safety / from CSA and UL | UL 61010-2-201 |
| • for hazardous zone / from CSA and UL | ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 |
| • for emitted interference | EN 61000-6-4:2001 (Class A) |
| • for interference immunity | EN 61000-6-2, EN 61000-6-4 |


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| | |
|---|---|
| Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019 | Yes |

| standards, specifications, approvals / CE | |
|---|---|
| certificate of suitability / CE marking | Yes |

| standards, specifications, approvals / other | |
|---|---|
| certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| • C-Tick | Yes |
| • railway application in accordance with EN 50155 | No |
| • railway application in accordance with EN 50124-1 | No |
| • KC approval | Yes |

| standards, specifications, approvals / marine classification | |
|---|---|
| Marine classification association | |
| • French marine classification society (BV) | Yes |
| • Korean Register of Shipping (KRS) | Yes |

| accessories | |
|---|---|
| product extension / optional / C-PLUG | Yes |

| further information / internet-Links | |
|---|---|
| Internet-Link | |
| • to website: Selector TIA Selection Tool | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx-Download-Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

## security information


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|---|---|
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