



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.

| product type designation                                       |                                   |
|----------------------------------------------------------------|-----------------------------------|
| product brand name                                             | SCALANCE                          |
| product type designation                                       | XF204-2DNA                        |
| transfer rate                                                  |                                   |
| transfer rate                                                  | 10 Mbit/s, 100 Mbit/s             |
| 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                               |
| 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 / 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                                              |
| <b>product features, product functions, product components / general</b>         |                                                 |
| cascading in the case of a redundant ring / at reconfiguration time of <1~0.31~s | 50                                              |
| cascading in cases of star topology                                              | any (depending only on signal propagation time) |
| <b>product functions / management, configuration, engineering</b>                |                                                 |
| 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                                             |
| <b>product functions / diagnostics</b>                                           |                                                 |
| product function                                                                 |                                                 |
| • port diagnostics                                                               | Yes                                             |
| • statistics Packet Size                                                         | Yes                                             |
| • statistics packet type                                                         | Yes                                             |
| • error statistics                                                               | Yes                                             |
| <b>product functions / DHCP</b>                                                  |                                                 |
| product function                                                                 |                                                 |
| • DHCP client                                                                    | Yes                                             |
| <b>product functions / redundancy</b>                                            |                                                 |
| product function                                                                 |                                                 |
| • of the PROFINET IO device / is supported / PROFINET system redundancy          | Yes                                             |
| • ring redundancy                                                                | 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                                | Yes                                             |

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| manager                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| • 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>product functions / security</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| protocol / is supported                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| • SSH                                                               | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>product functions / time</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| product function                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| • SICLOCK support                                                   | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| protocol / is supported                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| • NTP                                                               | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| • SNTP                                                              | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>standards, specifications, approvals</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| reference code                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| • according to IEC 81346-2                                          | KF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| • according to IEC 81346-2:2019                                     | KFE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>product functions / general</b>                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Warranty period                                                     | 5 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>further information / internet links</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| internet link                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| • to website: Image database                                        | <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| • to website: Industry Online Support                               | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>security information</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Approvals / Certificates</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>General Product Approval</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <a href="#">Miscellaneous</a>                                       | <a href="#">Declaration of Conformity</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

last modified:

3/25/2024 