



SCALANCE XF204 managed 2 Bus adapter BA 2xRJ45 HA, pre-assembled 6DL1193-6AR00-0AA0, IE Switch, 4 x 10/100Mbit/s, 2 x bus adapter interface, Error signaling contact with set button, redundant 24V DC power supply, PROFINET-Device, extended temperature range -40°C to +70°C, Conformal Coating, with electr. Manual on DVD, C-PLUG optional, Delivery with bus adapter

|                                                                                                                                                                            |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Product type designation                                                                                                                                                   | SCALANCE XF204                                 |
| Transmission rate                                                                                                                                                          |                                                |
| Transfer rate                                                                                                                                                              | 10 Mbit/s, 100 Mbit/s                          |
| Interfaces / for communication / integrated                                                                                                                                |                                                |
| Number of electrical connections <ul style="list-style-type: none"><li>• for network components or terminal equipment</li></ul>                                            | 4                                              |
| Interfaces / others                                                                                                                                                        |                                                |
| Number of electrical connections <ul style="list-style-type: none"><li>• for signaling contact</li><li>• for power supply</li><li>• for redundant voltage supply</li></ul> | 1<br>1<br>1                                    |
| Type of electrical connection <ul style="list-style-type: none"><li>• for signaling contact</li><li>• for power supply</li></ul>                                           | 2-pole terminal block<br>2-pole terminal block |
| design of the removable storage <ul style="list-style-type: none"><li>• C-PLUG</li></ul>                                                                                   | Yes                                            |
| Signal-Inputs/outputs                                                                                                                                                      |                                                |

|                                               |       |
|-----------------------------------------------|-------|
| Operating voltage / of the signaling contacts |       |
| • at DC / Rated value                         | 24 V  |
| Operating current / of the signaling contacts |       |
| • at DC / maximum                             | 0.1 A |

#### Supply voltage, current consumption, power loss

|                                                  |        |
|--------------------------------------------------|--------|
| Type of voltage / of the supply voltage          | DC     |
| Supply voltage                                   |        |
| • external                                       | 24 V   |
| • external / minimum                             | 19.2 V |
| • external / maximum                             | 28.8 V |
| Product component / fusing at power supply input | Yes    |
| Consumed current / maximum                       | 0.36 A |
| Power loss [W]                                   |        |
| • at DC / at 24 V                                | 8.6 W  |

#### Permitted 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 weight

|                           |         |
|---------------------------|---------|
| Design                    | compact |
| Width                     | 100 mm  |
| Height                    | 117 mm  |
| Depth                     | 74 mm   |
| Net weight                | 0.25 kg |
| Mounting type             |         |
| • 35 mm DIN rail mounting | Yes     |
| • wall mounting           | No      |
| • S7-300 rail mounting    | No      |
| • S7-1500 rail mounting   | No      |

#### Product properties, functions, components / general

|                                                                                     |                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------|
| Cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3$ s | 50                                              |
| Cascading in cases of star topology                                                 | any (depending only on signal propagation time) |

#### Product functions / management, configuration

|                  |     |
|------------------|-----|
| 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 / Diagnosis</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 (S2) | Yes |
| • Ring redundancy                                                            | Yes |
| • High Speed Redundancy Protocol (HRP)                                       | Yes |

|                                                                                                                       |     |
|-----------------------------------------------------------------------------------------------------------------------|-----|
| <ul style="list-style-type: none"> <li>• high speed redundancy protocol (HRP) with redundancy manager</li> </ul>      | Yes |
| <ul style="list-style-type: none"> <li>• high speed redundancy protocol (HRP) with standby redundancy</li> </ul>      | Yes |
| Protocol / is supported / Media Redundancy Protocol (MRP)                                                             | Yes |
| Product function                                                                                                      |     |
| <ul style="list-style-type: none"> <li>• media redundancy protocol (MRP) with redundancy manager</li> </ul>           | Yes |
| <ul style="list-style-type: none"> <li>• Media Redundancy Protocol for Planned Duplication (MRPD)</li> </ul>          | No  |
| <ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>   | No  |
| <ul style="list-style-type: none"> <li>• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)</li> </ul> | No  |
| <ul style="list-style-type: none"> <li>• Passive listening</li> </ul>                                                 | Yes |

#### Product functions / Security

|                                                         |     |
|---------------------------------------------------------|-----|
| Protocol / is supported                                 |     |
| <ul style="list-style-type: none"> <li>• SSH</li> </ul> | Yes |

#### Product functions / Time

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| Product function                                                    |     |
| <ul style="list-style-type: none"> <li>• SICLOCK support</li> </ul> | No  |
| Protocol / is supported                                             |     |
| <ul style="list-style-type: none"> <li>• NTP</li> </ul>             | No  |
| <ul style="list-style-type: none"> <li>• SNTP</li> </ul>            | Yes |

#### Standards, specifications, approvals

|                                                                                          |                                                                                                                |
|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Standard                                                                                 |                                                                                                                |
| <ul style="list-style-type: none"> <li>• for FM</li> </ul>                               | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4                                   |
| <ul style="list-style-type: none"> <li>• for hazardous zone</li> </ul>                   | EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X                                    |
| <ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> </ul>         | UL 61010-2-201                                                                                                 |
| <ul style="list-style-type: none"> <li>• for hazardous zone / from CSA and UL</li> </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 |
| <ul style="list-style-type: none"> <li>• for emitted interference</li> </ul>             | EN 61000-6-4:2001 (Class A)                                                                                    |
| <ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>            | EN 61000-6-2, EN 61000-6-4                                                                                     |

#### Standards, specifications, approvals / CE

|                                         |     |
|-----------------------------------------|-----|
| Certificate of suitability / CE marking | Yes |
|-----------------------------------------|-----|

#### Standards, specifications, approvals / miscellaneous

|                                                                                                       |    |
|-------------------------------------------------------------------------------------------------------|----|
| Certificate of suitability                                                                            |    |
| <ul style="list-style-type: none"> <li>• Railway application in accordance with EN 50124-1</li> </ul> | No |

- KC approval

Yes

## Standards, specifications, approvals / ship classification

Marine classification association

- Bureau Veritas (BV)

Yes

## Accessories

Product extension / optional / C-PLUG

Yes

## Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAX Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

## 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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