



SCALANCE XF206-1, flat, Managed IE switch, 6x 10/100 Mbit/s RJ45 ports, 1x 100 Mbit/s FO port, Error signaling contact with set button, Redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-plug optional

|   |                         |
|---|-------------------------|
| <b>product type designation</b>                             | <b>SCALANCE XF206-1</b> |
| <b>transfer rate</b>  |                         |
| transfer rate   | 10 Mbit/s, 100 Mbit/s   |
| <b>interfaces / for communication / integrated</b>          |                         |
| number of electrical connections                            |                         |
| • for network components or terminal equipment              | 6                       |
| number of 100 Mbit/s ST(BFOC) ports                         |                         |
| • for multimode   | 1                       |
| <b>interfaces / other</b>                                   |                         |
| number of electrical connections                            |                         |
| • for signaling contact                                     | 1                       |
| • for power supply  | 1                       |
| type of electrical connection                               |                         |
| • for signaling contact                                     | 2-pole terminal block   |
| • for power supply  | 4-pole terminal block   |
| design of the removable storage                             |                         |
| • C-PLUG  | Yes                     |
| <b>signal inputs/outputs</b>                                |                         |
| operating voltage / of the signaling contacts               |                         |
| • at DC / rated value                                       | 24 V                    |
| operational current / of the signaling contacts             |                         |
| • at DC / maximum   | 0.1 A                   |
| <b>supply voltage, current consumption, power loss</b>      |                         |
| product component / connection for redundant voltage supply | Yes                     |
| <b>type of voltage / 1 / of the supply voltage</b>          | DC                      |
| • supply voltage / 1 / rated value                          | 24 V                    |
| • power loss [W] / 1 / rated value                          | 4.08 W                  |
| • supply voltage / 1 / rated value                          | 18 ... 32 V             |
| • consumed current / 1 / maximum                            | 0.17 A                  |
| • type of electrical connection / 1 / for power supply      | 4-pole terminal block   |
| • product component / 1 / fusing at power supply input      | Yes                     |
| <b>ambient conditions</b>                                   |                         |
| ambient temperature   |                         |
| • during operation  | -40 ... +60 °C          |
| • during storage  | -40 ... +70 °C          |
| • during transport  | -40 ... +70 °C          |

|  |   |
|--|---|
| <ul style="list-style-type: none"> <li>note</li> </ul>   | If the IE-Switch XF-200 is installed horizontally, a maximum ambient temperature of +40 °C is permitted |
| relative humidity <ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>   | 95 %  |
| protection class IP  | IP20  |
| <b>design, dimensions and weights</b>  |   |
| design   | Flat  |
| width  | 75 mm   |
| height   | 125 mm  |
| depth  | 73 mm   |
| net weight   | 0.25 kg   |
| fastening method <ul style="list-style-type: none"> <li>35 mm top hat DIN rail mounting</li> <li>wall mounting</li> <li>S7-300 rail mounting</li> <li>S7-1500 rail mounting</li> </ul>   | Yes<br>No<br>No<br>No   |
| <b>product features, product functions, product components / general</b>   |   |
| cascading in the case of a redundant ring / at reconfiguration time of <math>\sim 0.3\text{ s}</math>  | 100   |
| cascading in cases of star topology  | any (depending only on signal propagation time)   |
| <b>product functions / management, configuration, engineering</b>  |   |
| product function <ul style="list-style-type: none"> <li>CLI</li> <li>web-based management</li> <li>MIB support</li> <li>TRAPs via email</li> <li>configuration with STEP 7</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>with IRT / PROFINET IO switch</li> <li>PROFINET IO diagnosis</li> </ul> | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>No<br>No<br>Yes   |
| PROFINET conformity class  | B   |
| product function / switch-managed  | Yes   |
| protocol / is supported <ul style="list-style-type: none"> <li>Telnet</li> <li>HTTP</li> <li>HTTPS</li> <li>TFTP</li> <li>FTP</li> <li>BOOTP</li> <li>DCP</li> <li>LLDP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> </ul>  | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>No<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes                         |
| identification & maintenance function <ul style="list-style-type: none"> <li>I&amp;M0 - device-specific information</li> <li>I&amp;M1 – higher level designation/location designation</li> </ul>   | Yes<br>Yes  |
| <b>product functions / diagnostics</b>   |   |
| product function <ul style="list-style-type: none"> <li>port diagnostics</li> <li>statistics Packet Size</li> <li>statistics packet type</li> <li>error statistics</li> </ul>  | Yes<br>Yes<br>Yes<br>Yes  |
| <b>product functions / DHCP</b>  |   |
| product function <ul style="list-style-type: none"> <li>DHCP client</li> </ul>   | Yes   |

| product functions / redundancy  |  |
|---|--|
| product function  |  |
| <ul style="list-style-type: none"> <li>ring redundancy</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>High Speed Redundancy Protocol (HRP)</li> </ul>                              | 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>      | No   |
| 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>Parallel Redundancy Protocol (PRP)/operation in the PRP-network</li> </ul>   | Yes  |
| <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>   | Yes  |
| 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 safety / from CSA and UL</li> </ul>                                      | UL 60950-1, CSA C22.2 No. 60950-1  |
| <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 61000-6-2:2001  |
| MTBF  | 43.52 y  |
| standards, specifications, approvals / CE   |  |
| certificate of suitability / CE marking   | Yes  |
| standards, specifications, approvals / hazardous environments   |  |
| standard / for hazardous zone   | EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X                       |
| <ul style="list-style-type: none"> <li>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 |
| certificate of suitability  |  |
| <ul style="list-style-type: none"> <li>CCC / for hazardous zone according to GB standard</li> </ul>                 | Yes  |
| standards, specifications, approvals / other  |  |
| certificate of suitability  | EN 61000-6-2:2001, EN 61000-6-4:2001   |
| <ul style="list-style-type: none"> <li>C-Tick</li> </ul>  | Yes  |
| <ul style="list-style-type: none"> <li>KC approval</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>railway application in accordance with EN 50155</li> </ul>                   | No   |
| <ul style="list-style-type: none"> <li>railway application in accordance with EN 50124-1</li> </ul>                 | No   |
| standards, specifications, approvals / marine classification  |  |
| Marine classification association   |  |
| <ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>                     | Yes  |
| <ul style="list-style-type: none"> <li>French marine classification society (BV)</li> </ul>                         | Yes  |
| <ul style="list-style-type: none"> <li>Det Norske Veritas (DNV)</li> </ul>  | No   |
| <ul style="list-style-type: none"> <li>Germanische Lloyd (GL)</li> </ul>  | No   |
| <ul style="list-style-type: none"> <li>DNV GL</li> </ul>  | Yes  |
| <ul style="list-style-type: none"> <li>Lloyds Register of Shipping (LRS)</li> </ul>                                 | Yes  |
| <ul style="list-style-type: none"> <li>Nippon Kaiji Kyokai (NK)</li> </ul>  | Yes  |

- Polski Rejestr Statkow (PRS) Yes
- Royal Institution of Naval Architects (RINA) Yes

#### further information / internet-Links

##### Internet-Link

- to web page: selection aid TIA Selection Tool <http://www.siemens.com/tia-selection-tool>
- 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

##### security information

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