



XF201-3P IRT managed IE IRT switch, 1x 10/100Mbit/s RJ45 ports, 3x 100Mbit/s POF SC RJ Ports, Bus adapter assembled, 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

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| <b>product type designation</b>  | <b>SCALANCE XF201-3P IRT</b>               |
| product options  | XF-200 base device with mounted BusAdapter |
| <b>transfer rate</b>   |  |
| transfer rate  | 10 Mbit/s, 100 Mbit/s                      |
| <b>interfaces / for communication / integrated</b>                                   |  |
| number of electrical connections<br>• for network components or terminal equipment   | 1  |
| number of 100 Mbit/s SC-RJ-ports / for POF FOC<br>• with push-pull connection system | 3  |
| <b>interfaces / other</b>  |  |
| number of electrical connections<br>• for signaling contact                          | 1  |
| • for power supply   | 1  |
| type of electrical connection<br>• for signaling contact                             | 2-pole terminal block                      |
| • for power supply   | 2-pole terminal block                      |
| design of the removable storage<br>• C-PLUG  | Yes  |
| <b>signal inputs/outputs</b>   |  |
| operating voltage / of the signaling contacts<br>• at DC / rated value               | 24 V                                       |
| operational current / of the signaling contacts<br>• at DC / maximum                 | 0.1 A                                      |
| <b>supply voltage, current consumption, power loss</b>                               |  |
| <b>type of voltage / 1 / of the supply voltage</b>                                   | DC   |
| • supply voltage / 1 / rated value   | 24 V                                       |
| • power loss [W] / 1 / rated value   | 8.4 W                                      |
| • supply voltage / 1 / rated value   | 19.2 ... 28.8 V                            |
| • consumed current / 1 / maximum   | 0.4 A                                      |
| • type of electrical connection / 1 / for power supply                               | 2-pole terminal block                      |
| • product component / 1 / fusing at power supply input                               | Yes  |
| <b>ambient conditions</b>  |  |
| ambient temperature<br>• during operation  | 0 ... 50 °C                                |
| • during storage   | -40 ... +70 °C                             |
| • during transport   | -40 ... +70 °C                             |
| relative humidity  |  |

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| <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   | compact   |
| width  | 100 mm  |
| height   | 117 mm  |
| depth  | 74 mm   |
| net weight   | 0.25 kg   |
| fastening method   |   |
| <ul style="list-style-type: none"> <li>35 mm top hat DIN rail mounting</li> </ul>                              | Yes   |
| <ul style="list-style-type: none"> <li>wall mounting</li> </ul>  | No  |
| <ul style="list-style-type: none"> <li>S7-300 rail mounting</li> </ul>   | No  |
| <ul style="list-style-type: none"> <li>S7-1500 rail mounting</li> </ul>  | No  |
| <b>product features, product functions, product components / general</b>                                       |   |
| cascading in the case of a redundant ring / at reconfiguration time of <math>\lt;0.3\text{s}</math>            | 50  |
| 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> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>web-based management</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>MIB support</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>TRAPs via email</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>configuration with STEP 7</li> </ul>                                    | Yes   |
| <ul style="list-style-type: none"> <li>port mirroring</li> </ul>   | No  |
| <ul style="list-style-type: none"> <li>multiport mirroring</li> </ul>  | No  |
| <ul style="list-style-type: none"> <li>with IRT / PROFINET IO switch</li> </ul>                                | Yes   |
| <ul style="list-style-type: none"> <li>PROFINET IO diagnosis</li> </ul>  | Yes   |
| PROFINET conformity class  | C   |
| product function / switch-managed  | Yes   |
| protocol / is supported  |   |
| <ul style="list-style-type: none"> <li>Telnet</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>HTTP</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>HTTPS</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>TFTP</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>FTP</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>BOOTP</li> </ul>  | No  |
| <ul style="list-style-type: none"> <li>DCP</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>LLDP</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>SNMP v1</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>SNMP v2</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>SNMP v3</li> </ul>  | Yes   |
| identification & maintenance function  |   |
| <ul style="list-style-type: none"> <li>I&amp;M0 - device-specific information</li> </ul>                       | Yes   |
| <ul style="list-style-type: none"> <li>I&amp;M1 – higher level designation/location designation</li> </ul>     | Yes   |
| <b>product functions / diagnostics</b>   |   |
| product function   |   |
| <ul style="list-style-type: none"> <li>port diagnostics</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>statistics Packet Size</li> </ul>                                       | Yes   |
| <ul style="list-style-type: none"> <li>statistics packet type</li> </ul>                                       | Yes   |
| <ul style="list-style-type: none"> <li>error statistics</li> </ul>   | Yes   |
| <b>product functions / DHCP</b>  |   |
| product function   |   |
| <ul style="list-style-type: none"> <li>DHCP client</li> </ul>  | Yes   |
| <b>product functions / redundancy</b>  |   |
| product function   |   |
| <ul style="list-style-type: none"> <li>ring redundancy</li> </ul>  | Yes   |

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| <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>      | 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>          | 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  |
| <b>product functions / security</b>   |  |
| protocol / is supported   |  |
| <ul style="list-style-type: none"> <li>• SSH</li> </ul>   | Yes  |
| <b>product functions / time</b>   |  |
| 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  |
| <b>standards, specifications, approvals</b>   |  |
| standard  |  |
| <ul style="list-style-type: none"> <li>• for FM</li> </ul>  | FM3611: Class 1, Division 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 (Class A)   |
| <ul style="list-style-type: none"> <li>• for interference immunity</li> </ul>   | EN 61000-6-2   |
| <b>standards, specifications, approvals / CE</b>  |  |
| certificate of suitability / CE marking   | Yes  |
| <b>standards, specifications, approvals / hazardous environments</b>  |  |
| standard / for hazardous zone   | 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>• 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                     |
| <b>standards, specifications, approvals / other</b>   |  |
| certificate of suitability  | EN 61000-6-2, EN 61000-6-4   |
| <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   |
| <b>accessories</b>  |  |
| product extension / optional / C-PLUG   | Yes  |
| <b>further information / internet-Links</b>   |  |
| Internet-Link   |  |
| <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> </ul>                     | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>                                  |
| <ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>                              | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>  |
| <ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>   | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>  |
| <ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>                       | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>                                |
| <ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>  | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>  |
| <ul style="list-style-type: none"> <li>• to website: CAX-Download-Manager</li> </ul>                                  | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>  |
| <ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>                               | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>  |
| <b>security information</b>   |  |
| security information  | Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, |

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