



SCALANCE XC206-2SFP G managed Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 ports; 2x 1000 Mbps SFP; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

|   |                                    |
|---|------------------------------------|
| <b>product type designation</b>                             | <b>SCALANCE XC206-2SFP G</b>       |
| <b>transfer rate</b>  |                                    |
| transfer rate   | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| <b>interfaces / for communication / integrated</b>          |                                    |
| number of electrical connections                            |                                    |
| • for network components or terminal equipment              | 6; RJ45                            |
| number of 10/100/1000 Mbit/s RJ45 ports / integrated        |                                    |
| • with securing collar                                      | 6                                  |
| <b>interfaces / for communication / plug-in</b>             |                                    |
| number of electrical connections                            |                                    |
| • for SFP   | 2                                  |
| <b>interfaces / other</b>                                   |                                    |
| number of electrical connections                            |                                    |
| • for operator console                                      | 1                                  |
| • for signaling contact                                     | 1                                  |
| • for power supply  | 1                                  |
| type of electrical connection                               |                                    |
| • for operator console                                      | RJ11                               |
| • 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                          | 6 W                                |
| • consumed current / 1 / at rated supply voltage / maximum  | 0.25 A                             |
| • supply voltage / 1 / rated value                          | 9.6 ... 31.2 V                     |
| • consumed current / 1 / maximum                            | 0.5 A                              |
| • type of electrical connection / 1 / for power supply      | 4-pole terminal block              |

|  |  |
|--|--|
| <ul style="list-style-type: none"> <li>product component / 1 / fusing at power supply input</li> </ul>         | Yes  |
| <b>ambient conditions</b>  |  |
| ambient temperature  |  |
| <ul style="list-style-type: none"> <li>during operation</li> </ul>   | -40 ... +70 °C                                       |
| <ul style="list-style-type: none"> <li>during storage</li> </ul>   | -40 ... +85 °C                                       |
| <ul style="list-style-type: none"> <li>during transport</li> </ul>   | -40 ... +85 °C                                       |
| 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   | compact  |
| width  | 60 mm  |
| height   | 147 mm   |
| depth  | 125 mm   |
| net weight   | 0.52 kg  |
| material / of the enclosure  | Polycarbonate (PC-GF10) / pressure die cast aluminum |
| 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>  | Yes  |
| <ul style="list-style-type: none"> <li>S7-300 rail mounting</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>S7-1500 rail mounting</li> </ul>  | Yes  |
| <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>          | 50   |
| cascading in cases of star topology  | any (depending only on signal propagation time)      |
| product function / QoS according to DSCP   | Yes  |
| product feature  |  |
| <ul style="list-style-type: none"> <li>Cut Through switching method</li> </ul>                                 | No   |
| <ul style="list-style-type: none"> <li>Store &amp; Forward switching method</li> </ul>                         | Yes  |
| <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>RMON</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>SMTP server</li> </ul>  | No   |
| <ul style="list-style-type: none"> <li>port mirroring</li> </ul>   | Yes  |
| <ul style="list-style-type: none"> <li>multiport mirroring</li> </ul>  | Yes  |
| <ul style="list-style-type: none"> <li>CoS</li> </ul>  | Yes  |
| <ul style="list-style-type: none"> <li>PROFINET IO diagnosis</li> </ul>  | Yes  |
| PROFINET conformity class  | B  |
| network load class / acc. to PROFINET  | 3  |
| product function / switch-managed  | Yes  |
| telegram length / for Ethernet / maximum   | 10240 byte   |
| 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>BOOTP</li> </ul>  | No   |
| <ul style="list-style-type: none"> <li>GMRP</li> </ul>   | Yes  |
| <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>EtherNet/IP</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 |
| <ul style="list-style-type: none"> <li>• IGMP (snooping/querier)</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 |
| <ul style="list-style-type: none"> <li>• SysLog</li> </ul>  | Yes |
| <b>product functions / VLAN</b>   |     |
| product function  |     |
| <ul style="list-style-type: none"> <li>• VLAN - port based</li> </ul>   | Yes |
| <ul style="list-style-type: none"> <li>• VLAN - protocol-based</li> </ul>   | No  |
| <ul style="list-style-type: none"> <li>• VLAN - IP-based</li> </ul>   | No  |
| number of VLANs / maximum   | 257 |
| number of VLANs - dynamic / maximum   | 257 |
| protocol / is supported / GVRP  | Yes |
| <b>product functions / DHCP</b>   |     |
| product function  |     |
| <ul style="list-style-type: none"> <li>• DHCP server</li> </ul>   | Yes |
| <ul style="list-style-type: none"> <li>• DHCP client</li> </ul>   | Yes |
| <ul style="list-style-type: none"> <li>• DHCP Option 82</li> </ul>  | Yes |
| <ul style="list-style-type: none"> <li>• DHCP Option 66</li> </ul>  | Yes |
| <ul style="list-style-type: none"> <li>• DHCP Option 67</li> </ul>  | Yes |
| <b>product functions / redundancy</b>   |     |
| product function  |     |
| <ul style="list-style-type: none"> <li>• of the PROFINET IO device / is supported / PROFINET system redundancy</li> </ul> | Yes |
| <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>          | 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 Interconnection (MRP-I)</li> </ul>                     | Yes |
| <ul style="list-style-type: none"> <li>• of the PROFINET IO device / is supported / H-Sync forwarding</li> </ul>          | Yes |
| <ul style="list-style-type: none"> <li>• redundancy procedure STP</li> </ul>  | Yes |
| <ul style="list-style-type: none"> <li>• redundancy procedure RSTP</li> </ul>   | Yes |
| <ul style="list-style-type: none"> <li>• redundancy procedure RSTP+</li> </ul>  | Yes |
| <ul style="list-style-type: none"> <li>• redundancy procedure MSTP</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 |
| protocol / is supported   |     |
| <ul style="list-style-type: none"> <li>• LACP</li> </ul>  | Yes |
| <b>product functions / security</b>   |     |
| product function  |     |

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|---|---|
| <ul style="list-style-type: none"> <li>• IEEE 802.1x (radius)</li> </ul>                              | Yes   |
| <ul style="list-style-type: none"> <li>• broadcast/multicast/unicast limiter</li> </ul>               | Yes   |
| <ul style="list-style-type: none"> <li>• broadcast blocking</li> </ul>                                | Yes   |
| protocol / is supported   |   |
| <ul style="list-style-type: none"> <li>• SSH</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>• SSL</li> </ul>   | Yes   |
| <b>product functions / time</b>   |   |
| product function  |   |
| <ul style="list-style-type: none"> <li>• SICLOCK support</li> </ul>                                   | Yes   |
| <ul style="list-style-type: none"> <li>• NTP-client</li> </ul>  | Yes   |
| <ul style="list-style-type: none"> <li>• SNTP client</li> </ul>                                       | Yes   |
| protocol / is supported   |   |
| <ul style="list-style-type: none"> <li>• NTP</li> </ul>   | Yes   |
| <ul style="list-style-type: none"> <li>• SNTP</li> </ul>  | Yes   |
| <b>system modification during operation</b>   |   |
| product function / configuration in RUN via CiR/H-CiR   | Yes   |
| <b>standards, specifications, approvals</b>   |   |
| IT security for industrial automation systems / according to IEC 62443-4-2:2019                       | Yes   |
| MTBF  | 55 y  |
| <b>standards, specifications, approvals / CE</b>  |   |
| certificate of suitability / CE marking   | Yes   |
| product conformity / according to EMC-guideline   | 2014/30/EU  |
| standard  |   |
| <ul style="list-style-type: none"> <li>• for EMC interference emission</li> </ul>                     | EN 61000-6-4, EN 50121-5  |
| <ul style="list-style-type: none"> <li>• for immunity to EMC</li> </ul>                               | EN 61000-6-2, EN 50121-4  |
| certificate of suitability / RoHS conformity  | Yes; 2011/65/EU   |
| <b>standards, specifications, approvals / hazardous environments</b>                                  |   |
| certificate of suitability  |   |
| <ul style="list-style-type: none"> <li>• ATEX</li> </ul>  | Yes; EN 60079-0, EN 60079-15  |
| <ul style="list-style-type: none"> <li>• for ATEX / as marking</li> </ul>                             | II 3 G Ex nA II T4 Gc   |
| <ul style="list-style-type: none"> <li>• for ATEX / as certificate</li> </ul>                         | KEMA 07ATEX0145 X   |
| <ul style="list-style-type: none"> <li>• IECEx</li> </ul>   | Yes; IEC 60079-0, IEC 60079-15  |
| <ul style="list-style-type: none"> <li>• for IECEx / as marking</li> </ul>                            | Ex nA II T4 Gc  |
| <ul style="list-style-type: none"> <li>• for IECEx / as certificate</li> </ul>                        | IECEx DEK 14.0025X  |
| <ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard</li> </ul> | Yes   |
| <ul style="list-style-type: none"> <li>• for cULus HazLoc / as marking</li> </ul>                     | CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4   |
| <ul style="list-style-type: none"> <li>• for cULus HazLoc / as File Nr.</li> </ul>                    | E240480 (NWHP, NWHP7)   |
| <ul style="list-style-type: none"> <li>• FM registration</li> </ul>                                   | Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005, ANSI/ISA-61010-1:2004              |
| <ul style="list-style-type: none"> <li>• for FM / as marking</li> </ul>                               | CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C +70 °C                           |
| <ul style="list-style-type: none"> <li>• for FM / as certificate</li> </ul>                           | FM16US0205X   |
| <b>standards, specifications, approvals / other</b>   |   |
| certificate of suitability  |   |
| <ul style="list-style-type: none"> <li>• railway application in accordance with EN 50121-4</li> </ul> | Yes   |
| <ul style="list-style-type: none"> <li>• Regulatory Compliance Mark (RCM)</li> </ul>                  | Yes   |
| <ul style="list-style-type: none"> <li>• for UL 61010-2-201 / as File Nr.</li> </ul>                  | E85972 (NRAQ, NRAQ7)  |
| <ul style="list-style-type: none"> <li>• for UL 60950-1 / as File Nr.</li> </ul>                      | E115352 (NWGQ, NWGQ7)   |
| <ul style="list-style-type: none"> <li>• EAC approval</li> </ul>                                      | Yes   |
| <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> |

- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

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

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

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

## security information

### security information

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