



Figure similar

SCALANCE X307-3, managed plus IE switch, 3x 1000 Mbit/s MM SC and 7x 10/100 Mbit/s RJ45 ports LED diagnostics, error signaling Contact with select/set pushbutton, PROFINET IO device, network management, Integrated redundancy manager, office features (RSTP, VLAN, IGMP,...) C-plug in scope of supply.

| product type designation                                                   |  | SCALANCE X307-3                    |
|----------------------------------------------------------------------------|--|------------------------------------|
| transfer rate                                                              |  |                                    |
| transfer rate                                                              |  | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| interfaces / for communication / maximum configuration for modular devices |  |                                    |
| number of electrical ports / maximum                                       |  | 7                                  |
| number of optical ports / maximum                                          |  | 3                                  |
| interfaces / for communication / integrated                                |  |                                    |
| number of electrical connections                                           |  | 7                                  |
| • for network components or terminal equipment                             |  | 7                                  |
| number of 10/100 Mbit/s RJ45 ports / integrated                            |  | 7                                  |
| • with securing collar                                                     |  | 7                                  |
| number of 1000 Mbit/s SC ports                                             |  | 3                                  |
| • for multimode                                                            |  | 3                                  |
| interfaces / other                                                         |  |                                    |
| number of electrical connections                                           |  | 1                                  |
| • for signaling contact                                                    |  | 1                                  |
| • for power supply                                                         |  | 1                                  |
| type of electrical connection                                              |  | 2-pole terminal block              |
| • for signaling contact                                                    |  | 4-pole terminal block              |
| • for power supply                                                         |  | 4-pole terminal block              |
| design of the removable storage                                            |  | Yes                                |
| • C-PLUG                                                                   |  | Yes                                |
| signal inputs/outputs                                                      |  |                                    |
| operating voltage / of the signaling contacts                              |  | 24 V                               |
| • at DC / rated value                                                      |  | 24 V                               |
| operational current / of the signaling contacts                            |  | 0.1 A                              |
| • at DC / maximum                                                          |  | 0.1 A                              |
| supply voltage, current consumption, power loss                            |  |                                    |
| product component / connection for redundant voltage supply                |  | Yes                                |
| type of voltage supply / redundant power supply unit                       |  | No                                 |
| type of voltage / 1 / of the supply voltage                                |  | DC                                 |
| • supply voltage / 1 / rated value                                         |  | 24 V                               |
| • power loss [W] / 1 / rated value                                         |  | 9.6 W                              |
| • supply voltage / 1 / rated value                                         |  | 18 ... 32 V                        |
| • consumed current / 1 / maximum                                           |  | 0.4 A                              |
| • type of electrical connection / 1 / for power supply                     |  | 4-pole terminal block              |
| • product component / 1 / fusing at power supply input                     |  | Yes                                |
| ambient conditions                                                         |  |                                    |
| ambient temperature                                                        |  |                                    |

|                                                                                                                                                                                                                                                                                                      |                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>                                                                                                                                                                                 | -10 ... +60 °C<br>-40 ... +70 °C<br>-40 ... +70 °C                                                                           |
| relative humidity <ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>                                                                                                                                                                     | 95 %                                                                                                                         |
| protection class IP                                                                                                                                                                                                                                                                                  | IP30                                                                                                                         |
| <b>design, dimensions and weights</b>                                                                                                                                                                                                                                                                |                                                                                                                              |
| design                                                                                                                                                                                                                                                                                               | compact                                                                                                                      |
| width                                                                                                                                                                                                                                                                                                | 120 mm                                                                                                                       |
| height                                                                                                                                                                                                                                                                                               | 125 mm                                                                                                                       |
| depth                                                                                                                                                                                                                                                                                                | 123 mm                                                                                                                       |
| net weight                                                                                                                                                                                                                                                                                           | 1.4 kg                                                                                                                       |
| fastening method <ul style="list-style-type: none"> <li>19-inch installation</li> <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>                                                                                 | When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted.<br>No<br>Yes<br>Yes<br>Yes<br>No |
| <b>product features, product functions, product components / general</b>                                                                                                                                                                                                                             |                                                                                                                              |
| cascading in the case of a redundant ring / at reconfiguration time of <1~0.3~s                                                                                                                                                                                                                      | 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>RMON</li> <li>port mirroring</li> <li>multiport mirroring</li> <li>CoS</li> <li>PROFINET IO diagnosis</li> </ul> | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<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>GMRP</li> <li>DCP</li> <li>LLDP</li> <li>SNMP v1</li> <li>SNMP v2</li> <li>SNMP v3</li> <li>IGMP (snooping/querier)</li> </ul>                 | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<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                                                                                                     |

|                                                                |                                                                                    |
|----------------------------------------------------------------|------------------------------------------------------------------------------------|
| • SysLog                                                       | Yes                                                                                |
| <b>product functions / VLAN</b>                                |                                                                                    |
| product function                                               |                                                                                    |
| • VLAN - port based                                            | Yes                                                                                |
| • VLAN - protocol-based                                        | No                                                                                 |
| • VLAN - IP-based                                              | No                                                                                 |
| • VLAN dynamic                                                 | Yes                                                                                |
| number of VLANs / maximum                                      | 255                                                                                |
| number of VLANs - dynamic / maximum                            | 255                                                                                |
| protocol / is supported / GVRP                                 | Yes                                                                                |
| <b>product functions / DHCP</b>                                |                                                                                    |
| product function                                               |                                                                                    |
| • DHCP client                                                  | Yes                                                                                |
| • DHCP Option 82                                               | Yes                                                                                |
| • DHCP Option 66                                               | Yes                                                                                |
| • DHCP Option 67                                               | Yes                                                                                |
| <b>product functions / redundancy</b>                          |                                                                                    |
| product function                                               |                                                                                    |
| • ring redundancy                                              | Yes                                                                                |
| • High Speed Redundancy Protocol (HRP)                         | 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 manager      | Yes                                                                                |
| • redundancy procedure STP                                     | Yes                                                                                |
| • redundancy procedure RSTP                                    | Yes                                                                                |
| • redundancy procedure MSTP                                    | Yes                                                                                |
| • passive listening                                            | Yes                                                                                |
| protocol / is supported                                        |                                                                                    |
| • STP/RSTP                                                     | Yes                                                                                |
| • STP                                                          | Yes                                                                                |
| • RSTP                                                         | Yes                                                                                |
| • MSTP                                                         | Yes                                                                                |
| • RSTP big network support                                     | Yes                                                                                |
| • LACP                                                         | Yes                                                                                |
| <b>product functions / security</b>                            |                                                                                    |
| product function                                               |                                                                                    |
| • ACL - MAC-based                                              | Yes                                                                                |
| • ACL - port/MAC-based                                         | Yes                                                                                |
| • IEEE 802.1x (radius)                                         | Yes                                                                                |
| • broadcast/multicast/unicast limiter                          | Yes                                                                                |
| • broadcast blocking                                           | Yes                                                                                |
| protocol / is supported                                        |                                                                                    |
| • SSH                                                          | Yes                                                                                |
| <b>product functions / time</b>                                |                                                                                    |
| product function                                               |                                                                                    |
| • SICLOCK support                                              | Yes                                                                                |
| protocol / is supported                                        |                                                                                    |
| • NTP                                                          | Yes                                                                                |
| • SNTP                                                         | Yes                                                                                |
| • IEEE 1588 profile default                                    | No                                                                                 |
| <b>standards, specifications, approvals</b>                    |                                                                                    |
| standard                                                       |                                                                                    |
| • for FM                                                       | FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 |
| • for safety / from CSA and UL                                 | UL 60950-1, CSA C22.2 No. 60950-1                                                  |
| • for emitted interference                                     | EN 61000-6-4:2007 (Class A)                                                        |
| • for interference immunity                                    | EN 61000-6-2:2005                                                                  |

|                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MTBF                                                                                                                                                                                                                                                                                                                                                                                        | 10 a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| reference code                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>                                                                                                                                                                                                                                                                       | KF<br>KFE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <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<br><br>• from CSA and UL<br>UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <ul style="list-style-type: none"> <li>• CCC / for hazardous zone according to GB standard</li> <li>• CCC / for hazardous zone according to GB standard / as marking</li> </ul>                                                                                                                                                                                                             | Yes<br><br>Ex nA IIC T4 Gc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>standards, specifications, approvals / other</b>                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| certificate of suitability                                                                                                                                                                                                                                                                                                                                                                  | EN 61000-6-2:2005, EN 61000-6-4:2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• C-Tick</li> <li>• KC approval</li> <li>• railway application in accordance with EN 50155</li> </ul>                                                                                                                                                                                                                                                | Yes<br>Yes<br>No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>standards, specifications, approvals / marine classification</b>                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Marine classification association                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• French marine classification society (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Germanische Lloyd (GL)</li> <li>• DNV GL</li> <li>• Korean Register of Shipping (KRS)</li> <li>• Polski Rejestr Statkow (PRS)</li> <li>• Royal Institution of Naval Architects (RINA)</li> </ul> | Yes<br>Yes<br>No<br>No<br>Yes<br>Yes<br>Yes<br>No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>further information / internet links</b>                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| internet link                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>              | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a><br><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>security information</b>                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| security information                                                                                                                                                                                                                                                                                                                                                                        | <p>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 <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>. (V3.4)</p> |

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