



SCALANCE XC116, Unmanaged IE switch, 16x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply Manual available as a download .

| product type designation                                                                                       |  | SCALANCE XC116        |
|----------------------------------------------------------------------------------------------------------------|--|-----------------------|
| transfer rate                                                                                                  |  |                       |
| transfer rate                                                                                                  |  | 10 Mbit/s, 100 Mbit/s |
| interfaces / for communication / integrated                                                                    |  |                       |
| number of electrical connections                                                                               |  |                       |
| <ul style="list-style-type: none"> <li>for network components or terminal equipment</li> </ul>                 |  | 16; RJ45              |
| interfaces / other                                                                                             |  |                       |
| number of electrical connections                                                                               |  |                       |
| <ul style="list-style-type: none"> <li>for signaling contact</li> </ul>                                        |  | 1                     |
| <ul style="list-style-type: none"> <li>for power supply</li> </ul>                                             |  | 1                     |
| type of electrical connection                                                                                  |  |                       |
| <ul style="list-style-type: none"> <li>for signaling contact</li> </ul>                                        |  | 2-pole terminal block |
| <ul style="list-style-type: none"> <li>for power supply</li> </ul>                                             |  | 4-pole terminal block |
| signal inputs/outputs                                                                                          |  |                       |
| operating voltage / of the signaling contacts                                                                  |  |                       |
| <ul style="list-style-type: none"> <li>at DC / rated value</li> </ul>                                          |  | 24 V                  |
| operational current / of the signaling contacts                                                                |  |                       |
| <ul style="list-style-type: none"> <li>at DC / maximum</li> </ul>                                              |  | 0.1 A                 |
| supply voltage, current consumption, power loss                                                                |  |                       |
| product component / connection for redundant voltage supply                                                    |  | Yes                   |
| type of voltage / 1 / of the supply voltage                                                                    |  | DC                    |
| <ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>                             |  | 24 V                  |
| <ul style="list-style-type: none"> <li>power loss [W] / 1 / rated value</li> </ul>                             |  | 5.4 W                 |
| <ul style="list-style-type: none"> <li>consumed current / 1 / at rated supply voltage / maximum</li> </ul>     |  | 0.45 A                |
| <ul style="list-style-type: none"> <li>supply voltage / 1 / rated value</li> </ul>                             |  | 9.6 ... 31.2 V        |
| <ul style="list-style-type: none"> <li>type of electrical connection / 1 / for power supply</li> </ul>         |  | 4-pole terminal block |
| <ul style="list-style-type: none"> <li>product component / 1 / fusing at power supply input</li> </ul>         |  | Yes                   |
| <ul style="list-style-type: none"> <li>fuse protection type / 1 / at input for supply voltage</li> </ul>       |  | 2.5 A / 125 V         |
| ambient conditions                                                                                             |  |                       |
| 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                                                                    | 120 mm                                                                                                                         |
| height                                                                   | 147 mm                                                                                                                         |
| depth                                                                    | 125 mm                                                                                                                         |
| net weight                                                               | 0.775 kg                                                                                                                       |
| material / of the enclosure                                              | Polycarbonate (PC-GF10)                                                                                                        |
| fastening method                                                         |                                                                                                                                |
| • 35 mm top hat DIN rail mounting                                        | Yes                                                                                                                            |
| • wall mounting                                                          | Yes                                                                                                                            |
| • S7-300 rail mounting                                                   | Yes                                                                                                                            |
| • S7-1500 rail mounting                                                  | Yes                                                                                                                            |
| <b>product features, product functions, product components / general</b> |                                                                                                                                |
| number of automatically learnable MAC addresses                          | 2048                                                                                                                           |
| <b>product functions / management, configuration, engineering</b>        |                                                                                                                                |
| product function                                                         |                                                                                                                                |
| • multiport mirroring                                                    | No                                                                                                                             |
| • CoS                                                                    | Yes                                                                                                                            |
| product function / switch-managed                                        | No                                                                                                                             |
| <b>product functions / redundancy</b>                                    |                                                                                                                                |
| product function                                                         |                                                                                                                                |
| • Parallel Redundancy Protocol (PRP)/operation in the PRP-network        | Yes                                                                                                                            |
| • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)      | No                                                                                                                             |
| <b>standards, specifications, approvals</b>                              |                                                                                                                                |
| standard                                                                 |                                                                                                                                |
| • for safety / from CSA and UL                                           | UL 60950-1, CSA C22.2 No. 60950-1                                                                                              |
| • for emitted interference                                               | EN 61000-6-4 (Class B)                                                                                                         |
| reference code                                                           |                                                                                                                                |
| • according to IEC 81346-2                                               | KF                                                                                                                             |
| • according to IEC 81346-2:2019                                          | 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 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0-15:2010    |
| • from CSA and UL                                                        | UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 / Group A, B, C, D / T.., Class 1 / Zone 2 / Group IIC / T.. |
| certificate of suitability                                               |                                                                                                                                |
| • CCC / for hazardous zone according to GB standard                      | Yes                                                                                                                            |
| <b>standards, specifications, approvals / other</b>                      |                                                                                                                                |
| laser protection class                                                   | LED Class 1                                                                                                                    |
| certificate of suitability                                               | EN 61000-6-2, EN 61000-6-4                                                                                                     |
| • C-Tick                                                                 | Yes                                                                                                                            |
| • KC approval                                                            | Yes                                                                                                                            |
| • E1 approval                                                            | No                                                                                                                             |
| • EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1        | Yes                                                                                                                            |
| <b>standards, specifications, approvals / marine classification</b>      |                                                                                                                                |
| Marine classification association                                        |                                                                                                                                |
| • American Bureau of Shipping Europe Ltd. (ABS)                          | Yes                                                                                                                            |
| • French marine classification society (BV)                              | Yes                                                                                                                            |
| • Det Norske Veritas (DNV)                                               | No                                                                                                                             |
| • Germanische Lloyd (GL)                                                 | No                                                                                                                             |
| • DNV GL                                                                 | Yes                                                                                                                            |
| • Lloyds Register of Shipping (LRS)                                      | Yes                                                                                                                            |
| • Polski Rejestr Statkow (PRS)                                           | Yes                                                                                                                            |
| • Royal Institution of Naval Architects (RINA)                           | Yes                                                                                                                            |
| <b>further information / internet-Links</b>                              |                                                                                                                                |

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| <p>Internet-Link</p> <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> | <p><a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <p><b>security information</b></p>                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>security information</p>                                                                                                                                                                                                                                                                                                                                                                         | <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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