



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 .

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| product type designation | SCALANCE XC116 |
| transfer rate | |
| transfer rate | 10 Mbit/s, 100 Mbit/s |
| interfaces / for communication / maximum configuration for modular devices | |
| number of electrical ports / maximum | 16 |
| interfaces / for communication / integrated | |
| number of electrical connections | |
| • for network components or terminal equipment | 16; RJ45 |
| interfaces / other | |
| number of electrical connections | |
| • for signaling contact | 1 |
| • for power supply | 1 |
| type of electrical connection | |
| • for signaling contact | 2-pole terminal block |
| • for power supply | 4-pole terminal block |
| signal inputs/outputs | |
| operating voltage / of the signaling contacts | |
| • at DC / rated value | 24 V |
| operational current / of the signaling contacts | |
| • at DC / maximum | 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 |
| • supply voltage / 1 / rated value | 24 V |
| • power loss [W] / 1 / rated value | 5.4 W |
| • consumed current / 1 / at rated supply voltage / maximum | 0.45 A |
| • supply voltage / 1 / rated value | 9.6 ... 31.2 V |
| • type of electrical connection / 1 / for power supply | 4-pole terminal block |
| • product component / 1 / fusing at power supply input | Yes |
| • fuse protection type / 1 / at input for supply voltage | 2.5 A / 125 V |
| ambient conditions | |
| ambient temperature | |
| • during operation | -40 ... +70 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °C |
| relative humidity | |
| • at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| design, dimensions and weights | |

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|--|--|
| 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 |
| product features, product functions, product components / general | |
| number of automatically learnable MAC addresses | 2048 |
| product functions / management, configuration, engineering | |
| product function | |
| • multiport mirroring | No |
| • CoS | Yes |
| product function / switch-managed | No |
| product functions / redundancy | |
| product function | |
| • Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| standards, specifications, approvals | |
| 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 |
| standards, specifications, approvals / CE | |
| certificate of suitability / CE marking | Yes |
| standards, specifications, approvals / hazardous environments | |
| 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 |
| standards, specifications, approvals / other | |
| 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 |
| standards, specifications, approvals / marine classification | |
| 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 |
| further information / internet-Links | |
| Internet-Link | |
| • to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
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security information

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