



SCALANCE XC108, Unmanaged IE switch, 8x 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 XC108        |
| transfer rate  |                       |
| transfer rate  | 10 Mbit/s, 100 Mbit/s |
| interfaces / for communication / maximum configuration for modular devices |                       |
| number of electrical ports / maximum                                       | 8                     |
| interfaces / for communication / integrated                                |                       |
| number of electrical connections   |                       |
| • for network components or terminal equipment                             | 8; 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   | 3 W                   |
| • consumed current / 1 / at rated supply voltage / maximum                 | 0.25 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                                      |  |
|---|--|
| design  | compact  |
| width   | 60 mm  |
| height  | 147 mm   |
| depth   | 125 mm   |
| net weight  | 0.475 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                                       |  |
| • from CSA and UL   | 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 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  |  |
| • C-Tick  | EN 61000-6-2, EN 61000-6-4   |
| • KC approval   | Yes  |
| • E1 approval   | Yes  |
| • 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  |
| • DNV GL  | Yes  |
| • Korean Register of Shipping (KRS)                                 | Yes  |
| • Lloyds Register of Shipping (LRS)                                 | Yes  |
| • Polski Rejestr Statków (PRS)                                      | Yes  |
| • Royal Institution of Naval Architects (RINA)                      | Yes  |
| further information / internet-Links                                |  |
| Internet-Link   |  |
| • to web page: selection aid TIA Selection Tool                     | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>  |
| • to website: Industrial communication                              | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>  |

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## security information

### security information

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