



\*\*\*\*\* spare part \*\*\*\*\* SCALANCE X108PoE unmanaged IE switch, 2x 10/100 Mbps RJ45 Power over Ethernet ports and 6x 10/100 Mbps RJ45 ports, LED diagnostics, error signaling contact with set pushbutton, redundant power supply manual available as a download

| product type designation   |  |
|--|--|
| product brand name   | SCALANCE   |
| product type designation   | X108PoE  |
| design of the product  | 2x 10/100 Mbit/s RJ45 PoE, 6x 10/100 Mbit/s RJ45 |
| transfer rate  |  |
| transfer rate  | 10, 100 Mbit/s                                   |
| interfaces / for communication / integrated                              |  |
| number of electrical connections   |  |
| • for network components or terminal equipment                           | 6; RJ45 with securing collar                     |
| • for Power-over-Ethernet / for network components or terminal equipment | 2  |
| number of 100 Mbit/s SC ports  |  |
| • for multimode  | 0  |
| 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                            |
| 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  |
| supplied active power / of PSE / with PoE                                |  |
| • per port / maximum   | 15.4 W   |
| • total / maximum  | 30.8 W   |
| type of voltage / 1 / of the supply voltage                              |  |
| • supply voltage / 1 / rated value                                       | 24 V   |
| • power loss [W] / 1 / rated value                                       | 10 W   |
| • consumed current / 1 / maximum   | 1.7 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  |  |
| • during operation   | -20 ... +60 °C                                   |
| • during storage   | -40 ... +80 °C                                   |

|  |   |
|--|---|
| • during transport   | -40 ... +80 °C  |
| • note   | At 55 °C ambient temperature on both sides 40 mm distance to adjacent devices   |
| relative humidity  |   |
| • at 25 °C / without condensation / during operation / maximum       | 95 %  |
| protection class IP  | IP30  |
| <b>design, dimensions and weights</b>                                |   |
| design   | compact   |
| width  | 60 mm   |
| height   | 125 mm  |
| depth  | 124 mm  |
| net weight   | 0.55 kg   |
| product feature / conformal coating                                  | No  |
| fastening method   |   |
| • 35 mm DIN-rail mounting  | Yes   |
| • wall mounting  | Yes   |
| • S7-300 rail mounting   | Yes   |
| • S7-1500 rail mounting  | No  |
| <b>product functions / management, configuration, engineering</b>    |   |
| product function   |   |
| • multiport mirroring  | No  |
| • CoS  | Yes   |
| • 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>                          |   |
| certificate of suitability   |   |
| • CE marking   | Yes   |
| • KC approval  | Yes   |
| standard   |   |
| • for safety / from CSA and UL                                       | UL 60950-1, CSA C22.2 No. 60950-1   |
| <b>standards, specifications, approvals / hazardous environments</b> |   |
| certificate of suitability   |   |
| • CCC / for hazardous zone according to GB standard                  | Yes   |
| <b>standards, specifications, approvals / other</b>                  |   |
| certificate of suitability   |   |
| • E1 approval  | No  |
| • railway application in accordance with EN 50155                    | 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  |
| • Lloyds Register of Shipping (LRS)                                  | Yes   |
| • Nippon Kaiji Kyokai (NK)   | Yes   |
| • Polski Rejestr Statków (PRS)                                       | Yes   |
| • Royal Institution of Naval Architects (RINA)                       | Yes   |
| <b>product functions / general</b>                                   |   |
| MTBF   | 61.64 a   |
| <b>further information / internet links</b>                          |   |
| internet link  |   |
| • to website: Selection guide for cables and connectors              | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> |
| • to web page: selection aid TIA Selection Tool                      | <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>   |
| • to website: Industrial communication                               | <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>   |
| • to website: Image database   | <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>                                       |

- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/cax>  
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## security information

### security information

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## Approvals / Certificates

### General Product Approval



[Declaration of Conformity](#)



[China RoHS](#)



### General Product Approval

### EMV

### For use in hazardous locations

#### Miscellaneous



#### KC



#### FM

### For use in hazardous locations

### Test Certificates

### Maritime application

#### CCC-Ex

[Type Test Certificates/Test Report](#)



LRS

### Maritime application

### Railway

#### NK / Nippon Kaiji Kyoka



[Confirmation](#)

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