

SCALANCE X108, Unmanaged IE switch, 8x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download



|  |  |
|--|--|
| Product type designation   | SCALANCE X108                                  |
| Transmission 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>  | 8; RJ45 with securing collar                   |
| Number of 100 Mbit/s SC ports <ul style="list-style-type: none"> <li>for multimode</li> </ul>  | 0  |
| Interfaces / others  |  |
| Number of electrical connections <ul style="list-style-type: none"> <li>for signaling contact</li> <li>for power supply</li> <li>for redundant voltage supply</li> </ul> | 1<br>1<br>1                                    |
| Type of electrical connection <ul style="list-style-type: none"> <li>for signaling contact</li> <li>for power supply</li> </ul>  | 2-pole terminal block<br>4-pole terminal block |
| Signal-Inputs/outputs  |  |

|   |       |
|---|-------|
| Operating voltage / of the signaling contacts |       |
| • at DC / Rated value                         | 24 V  |
| Operating current / of the signaling contacts |       |
| • at DC / maximum                             | 0.1 A |

#### Supply voltage, current consumption, power loss

|  |              |
|--|--------------|
| Type of voltage / of the supply voltage            | DC           |
| Supply voltage                                     |              |
| • external   | 24 V         |
| • external / minimum                               | 18 V         |
| • external / maximum                               | 32 V         |
| Product component / fusing at power supply input   | Yes          |
| Fuse protection type / at input for supply voltage | 0.6 A / 60 V |
| Consumed current / maximum                         | 0.14 A       |
| Power loss [W]                                     |              |
| • at DC / at 24 V                                  | 3.36 W       |

#### Permitted ambient conditions

|  |                |
|--|----------------|
| Ambient temperature  |                |
| • during operation   | -20 ... +70 °C |
| • during storage   | -40 ... +80 °C |
| • during transport   | -40 ... +80 °C |
| Relative humidity  |                |
| • at 25 °C / without condensation / during operation / maximum | 95 %           |
| Protection class IP  | IP30           |

#### Design, dimensions and weight

|                           |         |
|---------------------------|---------|
| Design                    | compact |
| Width                     | 60 mm   |
| Height                    | 125 mm  |
| Depth                     | 124 mm  |
| Net weight                | 0.78 kg |
| Mounting type             |         |
| • 35 mm DIN rail mounting | Yes     |
| • wall mounting           | Yes     |
| • S7-300 rail mounting    | Yes     |
| • S7-1500 rail mounting   | No      |

#### Product functions / management, configuration

|                       |     |
|-----------------------|-----|
| Product function      |     |
| • multiport mirroring | No  |
| • CoS                 | Yes |
| • switch-managed      | No  |

## Product functions / Redundancy

### Product function

- Parallel Redundancy Protocol (PRP)/operation in the PRP-network
- Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)

Yes

No

## Standards, specifications, approvals

### Standard

- for FM
- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL
- for emitted interference
- for interference immunity

FM3611: Class 1, Division 2, Group A, B, C, D / T4A, Class 1, Zone 2, Group IIC, T4

EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X

UL 60950-1, CSA C22.2 No. 60950-1

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..

EN 61000-6-4 (Class A)

EN 61000-6-2

## Standards, specifications, approvals / CE

### Certificate of suitability / CE marking

Yes

## Standards, specifications, approvals / miscellaneous

### Certificate of suitability

- C-Tick
- E1 approval
- E1 approval
- Railway application in accordance with EN 50155
- KC approval

EN 61000-6-2, EN 61000-6-4

Yes

Yes

Yes

No

Yes

## Standards, specifications, approvals / ship classification

### Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (BV)
- Det Norske Veritas (DNV)
- Germanische Lloyd (GL)
- DNV GL
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (NK)
- Polski Rejestr Statkow (PRS)
- Royal Institution of Naval Architects (RINA)

Yes

Yes

No

No

Yes

Yes

Yes

Yes

Yes

## Standards, specifications, approvals / product conformity

### MTBF

139.83 y

## Accessories

### Further Information / Internet Links

#### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL <http://www.siemens.com/snst>
- to website: Industrial communication <http://www.siemens.com/simatic-net>
- to website: Industry Mall <https://mall.industry.siemens.com>
- to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
- to website: Image database <http://automation.siemens.com/bilddb>
- to website: CAx Download Manager <http://www.siemens.com/cax>
- to website: Industry Online Support <https://support.industry.siemens.com>

### Security information

#### Security information

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