



SCALANCE XF208, flat, Managed IE switch, 8x 10/100 Mbit/s RJ45 ports, Error signaling contact with set button, Redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-plug optional

|                                                                                                                                                                            |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Product type designation                                                                                                                                                   | SCALANCE XF208                                 |
| 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>                                            | 8                                              |
| Interfaces / other                                                                                                                                                         |                                                |
| 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 |
| design of the removable storage <ul style="list-style-type: none"><li>• C-PLUG</li></ul>                                                                                   | Yes                                            |
| 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 | 1.1 A / 33 V |
| Consumed current / maximum                         | 0.13 A       |
| Power loss [W]                                     |              |
| • at DC / at 24 V                                  | 3.12 W       |

#### Ambient conditions

|                                                                |                                                                                                         |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Ambient temperature                                            |                                                                                                         |
| • during operation                                             | -40 ... +60 °C                                                                                          |
| • during storage                                               | -40 ... +70 °C                                                                                          |
| • during transport                                             | -40 ... +70 °C                                                                                          |
| • Note                                                         | If the IE-Switch XF-200 is installed horizontally, a maximum ambient temperature of +40 °C is permitted |
| Relative humidity                                              |                                                                                                         |
| • at 25 °C / without condensation / during operation / maximum | 95 %                                                                                                    |
| Protection class IP                                            | IP20                                                                                                    |

#### Design, dimensions and weights

|                           |         |
|---------------------------|---------|
| Design                    | Flat    |
| Width                     | 75 mm   |
| Height                    | 125 mm  |
| Depth                     | 73 mm   |
| Net weight                | 0.25 kg |
| Mounting type             |         |
| • 35 mm DIN rail mounting | Yes     |
| • wall mounting           | No      |
| • S7-300 rail mounting    | No      |
| • S7-1500 rail mounting   | No      |

#### Product features, product functions, product components / general

|                                                                                     |                                                 |
|-------------------------------------------------------------------------------------|-------------------------------------------------|
| Cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3$ s | 100                                             |
| Cascading in cases of star topology                                                 | any (depending only on signal propagation time) |

## Product functions / management, configuration, engineering

|                                                        |     |
|--------------------------------------------------------|-----|
| Product function                                       |     |
| • CLI                                                  | Yes |
| • web-based management                                 | Yes |
| • MIB support                                          | Yes |
| • TRAPs via email                                      | Yes |
| • Configuration with STEP 7                            | Yes |
| • Port mirroring                                       | Yes |
| • multiport mirroring                                  | No  |
| • with IRT / PROFINET IO switch                        | No  |
| • PROFINET IO diagnosis                                | Yes |
| PROFINET conformity class                              | B   |
| Product function / switch-managed                      | Yes |
| Protocol / is supported                                |     |
| • Telnet                                               | Yes |
| • HTTP                                                 | Yes |
| • HTTPS                                                | Yes |
| • TFTP                                                 | Yes |
| • FTP                                                  | Yes |
| • BOOTP                                                | No  |
| • DCP                                                  | Yes |
| • LLDP                                                 | Yes |
| • SNMP v1                                              | Yes |
| • SNMP v2                                              | Yes |
| • SNMP v3                                              | Yes |
| Identification & maintenance function                  |     |
| • I&M0 - device-specific information                   | Yes |
| • I&M1 – higher-level designation/location designation | Yes |

## Product functions / Diagnostics

|                          |     |
|--------------------------|-----|
| Product function         |     |
| • Port diagnostics       | Yes |
| • Statistics Packet Size | Yes |
| • Statistics packet type | Yes |
| • Error statistics       | Yes |

## Product functions / DHCP

|                  |     |
|------------------|-----|
| Product function |     |
| • DHCP client    | Yes |

## Product functions / redundancy

|                  |  |
|------------------|--|
| Product function |  |
|------------------|--|

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| • Ring redundancy                                                   | Yes |
| • High Speed Redundancy Protocol (HRP)                              | Yes |
| • high speed redundancy protocol (HRP) with redundancy manager      | Yes |
| • high speed redundancy protocol (HRP) with standby redundancy      | No  |
| Protocol / is supported / Media Redundancy Protocol (MRP)           | Yes |
| Product function                                                    |     |
| • media redundancy protocol (MRP) with redundancy manager           | Yes |
| • Parallel Redundancy Protocol (PRP)/operation in the PRP-network   | Yes |
| • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No  |
| • Passive listening                                                 | Yes |

#### Product functions / Security

|                         |     |
|-------------------------|-----|
| Protocol / is supported |     |
| • SSH                   | Yes |

#### Product functions / time

|                         |     |
|-------------------------|-----|
| Product function        |     |
| • SICLOCK support       | Yes |
| Protocol / is supported |     |
| • NTP                   | No  |
| • SNTP                  | Yes |

#### Standards, specifications, approvals

|                                        |                                                                                                                |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Standard                               |                                                                                                                |
| • for FM                               | FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4                                   |
| • for hazardous zone                   | EN 60079-0: 2006, EN60079-15: 2005, II 3 G Ex nA II T4, KEMA 07 ATEX 0145 X                                    |
| • for safety / from CSA and UL         | UL 60950-1, CSA C22.2 No. 60950-1                                                                              |
| • for hazardous zone / from CSA and UL | ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4 |
| • for emitted interference             | EN 61000-6-4:2001 (Class A)                                                                                    |
| • for interference immunity            | EN 61000-6-2:2001                                                                                              |
| MTBF                                   | 54.8 y                                                                                                         |

#### Standards, specifications, approvals / CE

|                                         |     |
|-----------------------------------------|-----|
| Certificate of suitability / CE marking | Yes |
|-----------------------------------------|-----|

#### Standards, specifications, approvals / other

|                            |                                      |
|----------------------------|--------------------------------------|
| Certificate of suitability | EN 61000-6-2:2001, EN 61000-6-4:2001 |
| • C-Tick                   | Yes                                  |

- Railway application in accordance with EN 50155
- Railway application in accordance with EN 50124-1
- KC approval

No  
No  
Yes

## Standards, specifications, approvals / marine 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

## Further information / Internet-Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>  
<http://www.siemens.com/simatic-net>  
<https://mall.industry.siemens.com>  
<http://www.siemens.com/industry/infocenter>  
<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

## Security information

### Security information

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