

SCALANCE X308-2LH, managed plus IE switch, 2x 1000 Mbit/s SM SC, 1x 10/100/1000 Mbit/s, 7x 10/100 Mbit/s RJ45 ports, LED diagnostics, error signaling Contact with select/set button, PROFINET IO device, network management, Integrated redundancy manager, office features (RSTP, VLAN, IGMP,..) C-plug in scope of delivery



Figure similar

| | |
|--|------------------------------------|
| Product type designation | SCALANCE X308-2LH |
| Transfer rate | |
| Transfer rate | 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s |
| Interfaces / for communication / Integrated | |
| Number of electrical connections | |
| • for network components or terminal equipment | 8 |
| Number of 10/100 Mbit/s RJ45 ports / Integrated | |
| • with securing collar | 7 |
| Number of 10/100/1000 Mbit/s RJ45 ports / Integrated | |
| • with securing collar | 1 |
| Number of 1000 Mbit/s SC ports | |
| • for single mode (LH) | 2 |
| Interfaces / other | |
| Number of electrical connections | |
| • for signaling contact | 1 |

| | |
|--|-----------------------|
| <ul style="list-style-type: none"> • for power supply | 1 |
| <ul style="list-style-type: none"> • for redundant voltage supply | 2 |
| Type of electrical connection | |
| <ul style="list-style-type: none"> • for signaling contact | 2-pole terminal block |
| <ul style="list-style-type: none"> • for power supply | 4-pole terminal block |
| design of the removable storage | |
| <ul style="list-style-type: none"> • C-PLUG | Yes |

Signal inputs/outputs

| | |
|---|-------|
| Operating voltage / of the signaling contacts | |
| <ul style="list-style-type: none"> • at DC / Rated value | 24 V |
| Operating current / of the signaling contacts | |
| <ul style="list-style-type: none"> • at DC / maximum | 0.1 A |

Supply voltage, current consumption, power loss

| | |
|--|--------------|
| Type of voltage supply / redundant power supply unit | No |
| Type of voltage / of the supply voltage | DC |
| Supply voltage | |
| <ul style="list-style-type: none"> • external | 24 V |
| <ul style="list-style-type: none"> • external / minimum | 18 V |
| <ul style="list-style-type: none"> • external / maximum | 32 V |
| Product component / fusing at power supply input | Yes |
| Fuse protection type / at input for supply voltage | F 3 A / 32 V |
| Consumed current / maximum | 0.4 A |
| Power loss [W] | |
| <ul style="list-style-type: none"> • at DC / at 24 V | 9.6 W |

Ambient conditions

| | |
|--|---|
| Ambient temperature | |
| <ul style="list-style-type: none"> • during operation | -40 ... +60 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during transport | -40 ... +70 °C |
| Relative humidity | |
| <ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum | 95 % |
| Protection class IP | IP30 |
| Design | compact |
| Width | 120 mm |
| Height | 125 mm |
| Depth | 123 mm |
| Net weight | 1.4 kg |
| Mounting type | When used in shipbuilding, installation on a 35 mm standard mounting rail is not permitted. |
| <ul style="list-style-type: none"> • 19-inch installation | No |

| | |
|---------------------------|-----|
| • 35 mm DIN rail mounting | Yes |
| • wall mounting | Yes |
| • S7-300 rail mounting | Yes |
| • S7-1500 rail mounting | No |

Product features, product functions, product components / general

| | |
|---|---|
| Cascading in the case of a redundant ring / at reconfiguration time of ≤ 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 |
| • RMON | Yes |
| • Port mirroring | Yes |
| • multiport mirroring | Yes |
| • CoS | Yes |
| • 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 | Yes |
| • GMRP | Yes |
| • DCP | Yes |
| • LLDP | Yes |
| • SNMP v1 | Yes |
| • SNMP v2 | Yes |
| • SNMP v3 | Yes |
| • IGMP (snooping/querier) | 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 |
| • SysLog | Yes |

Product functions / VLAN

| | |
|-------------------------------------|-----|
| Product function | |
| • VLAN - port based | Yes |
| • VLAN - protocol-based | No |
| • VLAN - IP-based | No |
| • VLAN dynamic | Yes |
| Number of VLANs / maximum | 255 |
| Number of VLANs - dynamic / maximum | 255 |
| Protocol / is supported / GVRP | Yes |

Product functions / DHCP

| | |
|------------------|-----|
| Product function | |
| • DHCP client | Yes |
| • DHCP Option 82 | Yes |
| • DHCP Option 66 | Yes |
| • DHCP Option 67 | 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 | Yes |
| Protocol / is supported / Media Redundancy Protocol (MRP) | Yes |
| Product function | |
| • media redundancy protocol (MRP) with redundancy manager | Yes |
| • redundancy procedure STP | Yes |
| • redundancy procedure RSTP | Yes |
| • redundancy procedure MSTP | Yes |
| • Passive listening | Yes |
| Protocol / is supported | |
| • STP/RSTP | Yes |
| • STP | Yes |

- RSTP Yes
- MSTP Yes
- RSTP big network support Yes
- LACP Yes

Product functions / Security

- Product function
- ACL - MAC-based Yes
 - ACL - port/MAC-based Yes
 - IEEE 802.1x (radius) Yes
 - Broadcast/Multicast/Unicast Limiter Yes
 - broadcast blocking Yes
- Protocol / is supported
- SSH Yes

Product functions / time

- Product function
- SICLOCK support Yes
- Protocol / is supported
- NTP Yes
 - SNTP Yes
 - IEEE 1588 profile default No

Standards, specifications, approvals

- Standard
- for FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
 - for hazardous zone EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
 - for safety / from CSA and UL UL 60950-1, CSA C22.2 No. 60950-1
 - for hazardous zone / from CSA and UL UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
 - for emitted interference EN 61000-6-4:2007 (Class A)
 - for interference immunity EN 61000-6-2:2005

Standards, specifications, approvals / CE

- Certificate of suitability / CE marking Yes

Standards, specifications, approvals / other

- Certificate of suitability EN 61000-6-2:2005, EN 61000-6-4:2007
- C-Tick Yes
 - Railway application in accordance with EN 50155 No
 - KC approval Yes

Standards, specifications, approvals / marine classification

Marine classification association

- | | |
|-------------------------------------|-----|
| • Bureau Veritas (BV) | Yes |
| • Det Norske Veritas (DNV) | No |
| • DNV GL | Yes |
| • Korean Register of Shipping (KRS) | Yes |
| • Polski Rejestr Statkow (PRS) | Yes |

Standards, specifications, approvals / Product conformity

| | |
|------|------|
| MTBF | 25 y |
|------|------|

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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