

Product type designation

SCALANCE X108PoE
SCALANCE X108POE UNMANAGED IE SWITCH, 2 X
10/100MBIT/S RJ45 POWER OVER ETHERNET PORTS AND 6 X
10/100MBIT/S RJ45 PORTS, LED-DIAGNOSIS, FAULT SIGNAL.
CONTACT WITH SET BUTTON, REDUNDANT VOLTAGE SUPPLY
MANUAL AVAILABLE AS DOWNLOAD



Transmission rate	
Transfer rate	10 Mbit/s, 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
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0
Interfaces / others	
Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage 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
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	18 ... 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	4 A / 125 V
Consumed current / maximum	1.7 A
Power loss [W]	
• at DC / at 24 V	10 W
Supplied active power / of PSE / with PoE	
• per port / maximum	15.4 W
• total / maximum	30.8 W

Permitted 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

Design, dimensions and weight

Design	compact
Width	60 mm
Height	125 mm
Depth	124 mm
Net weight	0.9 kg
Product feature / conformal coating	No
Mounting type	
• 35 mm DIN rail mounting	Yes

- wall mounting
- S7-300 rail mounting
- S7-1500 rail mounting

Yes
Yes
No

Product functions / management, configuration

Product function

- multiport mirroring
- CoS
- switch-managed

No
Yes
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 / T4, 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 61000-6-4:2001
EN 61000-6-2:2001

Certificate of suitability / CE marking

Yes

Certificate of suitability

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

EN 61000-6-2:2001, EN 61000-6-4:2001
Yes
No
No
Yes
Yes

Marine classification association

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

Yes
Yes
Yes
No
Yes
Yes
No

• Royal Institution of Naval Architects (RINA)	No
product conformity	
• acc. to IEEE 802.3af-Power-over-Ethernet	Yes
MTBF / at 40 °C	61.64 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

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