



SCALANCE X108PoE unmanaged IE switch, 2x 10/100 Mbit/s RJ45 Power-over-Ethernet ports and 6x 10/100 Mbit/s RJ45 ports, LED diagnostics, error signaling contact with set pushbutton, redundant power supply manual available as a download.

product type designation	SCALANCE X108PoE
transfer 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	0
• for multimode	
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
signal inputs/outputs	
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	DC
• power loss [W] / 1 / rated value	24 V
• supply voltage / 1 / rated value	10 W
• consumed current / 1 / maximum	18 ... 32 V
• type of electrical connection / 1 / for power supply	1.7 A
• product component / 1 / fusing at power supply input	4-pole terminal block
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

relative humidity	devices
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP30
design, dimensions and weights	
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 top hat DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
• multiport mirroring	No
• CoS	Yes
product function / switch-managed	No
product functions / redundancy	
product function	
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
standards, specifications, approvals	
standard	
• for FM	FM3611: Class 1, Division 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for emitted interference	EN 61000-6-4:2001
• for interference immunity	EN 61000-6-2:2001
MTBF	61.64 y
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
• from CSA and UL	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..
certificate of suitability	
• CCC / for hazardous zone according to GB standard	Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
• C-Tick	Yes
• KC approval	Yes
• E1 approval	No
• E1 approval	No
• railway application in accordance with EN 50155	Yes
standards, specifications, approvals / marine classification	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• French marine classification society (BV)	Yes
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No
• DNV GL	Yes
• Lloyds Register of Shipping (LRS)	Yes

• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statków (PRS)	Yes
• Royal Institution of Naval Architects (RINA)	Yes

standards, specifications, approvals / product conformity

product conformity	
• according to IEEE 802.3af-Power-over-Ethernet	Yes

further information / internet-Links

Internet-Link

- to web page: selection aid TIA 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/tia-selection-tool>
- <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

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last modified:

9/16/2022 