



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	
<ul style="list-style-type: none"> for network components or terminal equipment for Power-over-Ethernet / for network components or terminal equipment 	6; RJ45 with securing collar 2
number of 100 Mbit/s SC ports	
<ul style="list-style-type: none"> for multimode 	0
interfaces / other	
number of electrical connections	
<ul style="list-style-type: none"> for signaling contact for power supply 	1 1
type of electrical connection	
<ul style="list-style-type: none"> for signaling contact for power supply 	2-pole terminal block 4-pole terminal block
signal inputs/outputs	
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at DC / rated value 	24 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> per port / maximum total / maximum 	15.4 W 30.8 W
type of voltage / 1 / of the supply voltage	DC
<ul style="list-style-type: none"> supply voltage / 1 / rated value power loss [W] / 1 / rated value supply voltage / 1 / rated value consumed current / 1 / maximum type of electrical connection / 1 / for power supply product component / 1 / fusing at power supply input 	24 V 10 W 18 ... 32 V 1.7 A 4-pole terminal block Yes
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport note 	-20 ... +60 °C -40 ... +80 °C -40 ... +80 °C At 55 °C ambient temperature on both sides 40 mm distance to adjacent

	devices
relative humidity <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 35 mm top hat DIN rail mounting wall mounting S7-300 rail mounting S7-1500 rail mounting 	Yes Yes Yes No
product functions / management, configuration, engineering	
product function <ul style="list-style-type: none"> multiport mirroring CoS 	No Yes
product function / switch-managed	No
product functions / redundancy	
product function <ul style="list-style-type: none"> Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	Yes No
standards, specifications, approvals	
standard <ul style="list-style-type: none"> for FM for safety / 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 UL 60950-1, CSA C22.2 No. 60950-1 EN 61000-6-4:2001 EN 61000-6-2:2001
MTBF	61.64 a
reference code <ul style="list-style-type: none"> according to IEC 81346-2 according to IEC 81346-2:2019 	KF KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone <ul style="list-style-type: none"> from CSA and UL 	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X 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 <ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard CCC / for hazardous zone according to GB standard / as marking 	Yes Ex nA IIC T4 Gc
standards, specifications, approvals / other	
certificate of suitability <ul style="list-style-type: none"> C-Tick KC approval E1 approval E1 approval railway application in accordance with EN 50155 	EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No Yes
standards, specifications, approvals / marine classification	
Marine classification association <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) 	Yes Yes No

- Germanische Lloyd (GL) No
- DNV GL Yes
- Lloyds Register of Shipping (LRS) Yes
- Nippon Kaiji Kyokai (NK) Yes
- Polski Rejestr Statkow (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 <http://www.siemens.com/tia-selection-tool>
 - 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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Approvals / Certificates

General Product Approval	EMC	For use in hazardous locations
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[Manufacturer Declaration](#)



[Miscellaneous](#)



[ATEX-Zone 2-Declaration](#)



For use in hazardous locations	Declaration of Conformity
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[EM](#)

[CCC-Ex](#)



[Manufacturer Declaration](#)



Test Certificates	Marine / Shipping
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[Type Test Certificates/Test Report](#)



[NK / Nippon Kaiji Kyokai](#)

Marine / Shipping	Railway	Environment
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[Confirmation](#)



last modified:

8/18/2023