

Product type designation

SCALANCE X108
SCALANCE X108, UNMANAGED IE SWITCH, 8 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSTICS, 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	8; RJ45 with securing collar
• for network components or terminal equipment	
Number of 100 Mbit/s SC ports	0
• for multimode	
Number of 1000 Mbit/s LC ports	0
• for multimode	
• for single mode (LD)	
Interfaces / others	
Number of electrical connections	1
• for signaling contact	
• for power supply	
• for redundant voltage supply	1
Type of electrical connection	2-pole terminal block
• for signaling contact	

- for power supply

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
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 / of the supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> • external 	24 V
<ul style="list-style-type: none"> • external 	18 ... 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	0.6 A / 60 V
Consumed current / maximum	0.14 A
Power loss [W]	
<ul style="list-style-type: none"> • at DC / at 24 V 	3.36 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-20 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +80 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +80 °C
Relative humidity	
<ul style="list-style-type: none"> • 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	0.78 kg
Mounting type	
<ul style="list-style-type: none"> • 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • S7-300 rail mounting 	Yes
<ul style="list-style-type: none"> • S7-1500 rail mounting 	No

Product functions / management, configuration

Product function	
<ul style="list-style-type: none"> • multiport mirroring 	No
<ul style="list-style-type: none"> • CoS 	Yes

- switch-managed

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 / T4A, 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 (Class A)

EN 61000-6-2

Certificate of suitability / CE marking

- Certificate of suitability
- Certificate of suitability / C-Tick
- Certificate of suitability / E1 approval
- Certificate of suitability / E1 approval
- Certificate of suitability / Railway application in accordance with EN 50155
- Certificate of suitability / KC approval
- Marine classification association / American Bureau of Shipping Europe Ltd. (ABS)
- Marine classification association / Bureau Veritas (BV)
- Marine classification association / Det Norske Veritas (DNV)
- Marine classification association / Germanische Lloyd (GL)
- Marine classification association / Lloyds Register of Shipping (LRS)
- Marine classification association / Nippon Kaiji Kyokai (NK)
- Marine classification association / Polski Rejestr Statkow (PRS)
- Marine classification association / Royal Institution of Naval Architects (RINA)

Yes

EN 61000-6-2, EN 61000-6-4

Yes

Yes

Yes

No

Yes

Yes

Yes

Yes

No

Yes

Yes

Yes

Yes

MTBF / at 40 °C

139.83 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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