SIEMENS

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	
• for network components or terminal equipment	8; RJ45 with securing collar
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	0.6 A / 60 V
Consumed current / maximum	0.14 A
Power loss [W]	
• at DC / at 24 V	3.36 W

Permitted ambient conditions

Ambient temperature	
• during operation	-20 ... +70 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
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	0.78 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No

Product functions / management, configuration

Product function	
• multiport mirroring	No
• CoS	Yes

• 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, Divison 2, Group A, B, C, D / T4A, Class 1, Zone 2, Group IIC, T4
• for hazardous zone	EN 60079-0:2009, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X
• 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), Class 1 / Division 2 / Group A, B, C, D / T.., Class 1 / Zone 2 / Group IIC / T..
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
Certificate of suitability / CE marking	Yes
• Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• Certificate of suitability / C-Tick	Yes
• Certificate of suitability / E1 approval	Yes
• Certificate of suitability / E1 approval	Yes
• Certificate of suitability / Railway application in accordance with EN 50155	No
• Certificate of suitability / KC approval	Yes
• Marine classification association / American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Marine classification association / Bureau Veritas (BV)	Yes
• Marine classification association / Det Norske Veritas (DNV)	Yes
• Marine classification association / Germanische Lloyd (GL)	No
• Marine classification association / Lloyds Register of Shipping (LRS)	Yes
• Marine classification association / Nippon Kaiji Kyokai (NK)	Yes
• Marine classification association / Polski Rejestr Statkow (PRS)	Yes
• Marine classification association / Royal Institution of Naval Architects (RINA)	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

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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