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SCALANCE XC108, Unmanaged IE switch, 8x 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

product brand name	SCALANCE
product type designation	XC108

transfer rate

transfer rate	10, 100 Mbit/s
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interfaces / for communication / integrated

number of electrical connections	
• for network components or terminal equipment	8; RJ45

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
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
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	3 W
• supply voltage / 1 / rated value	9.6 ... 31.2 V
• consumed current / 1 / maximum	0.25 A
• type of electrical connection / 1 / for power supply	4-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	2.5 A / 125 V

ambient conditions

ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %

protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.475 kg
material / of the enclosure	Polycarbonate (PC-GF10)
fastening method	
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
product features, product functions, product components / general	
number of automatically learnable MAC addresses	2048
product functions / management, configuration, engineering	
product function	
• multiport mirroring	No
• CoS	Yes
• switch-managed	No
PROFINET conformity class	A
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	
certificate of suitability	
• CE marking	Yes
• EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
standard	
• for EMC interference emission	EN 61000-6-4 (Class B)
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
• ULhazloc approval	Yes
• CCC / for hazardous zone according to GB standard	Yes
• FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
• E1 approval	Yes
• RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standards, specifications, approvals / marine classification	
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• French marine classification society (BV)	No
• Chinese Classification Society (CCS)	No
• Det Norske Veritas (DNV)	Yes
• Korean Register of Shipping (KRS)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	No

<ul style="list-style-type: none">Royal Institution of Naval Architects (RINA)	Yes	
standards, specifications, approvals / Environmental Product Declaration		
Siemens Eco Profile (SEP)	Siemens EcoTech	
Environmental Product Declaration	Yes	
global warming potential [CO2 eq]		
<ul style="list-style-type: none">totalduring manufacturingduring operationafter end of life	153.7 kg 28.4 kg 125.2 kg 0.02 kg	
product functions / general		
reference code		
<ul style="list-style-type: none">according to IEC 81346-2according to IEC 81346-2:2019	KF KFE	
Warranty period	5 a	
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022	
further information / internet links		
internet link		
<ul style="list-style-type: none">to website: Selection guide for cables and connectorsto web page: selection aid TIA Selection Toolto website: Industrial communicationto web page: SiePortalto website: Image databaseto website: CAX-Download-Managerto website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com	
security information		
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)	
Approvals / Certificates		
General Product Approval		
 EG-Konf.	Declaration of Conformity	
 CCC		
	China RoHS	
	 UL	
General Product Approval	EMV	For use in hazardous locations
Miscellaneous	 RCM	KC
	 IECEx	 ATEX
		FM
For use in hazardous locations	Test Certificates	Maritime application

[CCC-Ex](#)

[inspection certificate](#)



Maritime application

Environment

Industrial Commu-
nication

[NK / Nippon Kaiji Ky-
okai](#)



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