SIEMENS

Data sheet 6GK5108-2RS00-2FC2



SCALANCE XCH108PoE (6x100/1000 Mbps RJ45, PoE, 2x 1000/10000 Mbps SFP) unmanaged IE switch up to 120 W PoE power on 6 ports, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply, with painted printed circuit boards, manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XCH108PoE (G, 2x SFP)
Technical Product Detail Page	https://i.siemens.com/1P6GK5108-2RS00-2FC2
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	6; RJ45
number of 10/100/1000 Mbit/s RJ45 ports	
● with securing collar	PoE ports according to IEEE802.3at (30 W)
● with securing collar / with PoE	6
number of electrical connections	
● for SFP	2
interfaces / for communication / plug-in	
number of electrical connections	
● for SFP+	2; SFPs possible with 1000 Mbps or 10,000 Mbps;
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	12 W
● supply voltage / 1 / voltage range	19.2 ... 55
● consumed current / 1 / maximum	7.5 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
type of voltage / 2 / of the supply voltage	DC

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● supply voltage / 2 / rated value	54 V
● power loss [W] / 2 / rated value	10 W
● supply voltage / 2 / voltage range	19.2 ... 55
● consumed current / 2 / maximum	2.5 A
ambient conditions	
ambient temperature	
● during operation	-40 ... +60 °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	80 mm
height	147 mm
depth	125 mm
net weight	0.87 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
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
● UKCA marking	Yes
● Regulatory Compliance Mark (RCM)	Yes
standards, specifications, approvals / hazardous environments	
certificate of suitability	
● CCC / for hazardous zone according to GB standard	Yes
standards, specifications, approvals / other	
certificate of suitability	
● railway application in accordance with EN 50121-4	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)	Yes
● French marine classification society (BV)	Yes
● Chinese Classification Society (CCS)	Yes
● Det Norske Veritas (DNV)	Yes
● Korean Register of Shipping (KRS)	Yes
● Lloyds Register of Shipping (LRS)	Yes

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● Nippon Kaiji Kyokai (NK)	Yes
● Polski Rejestr Statkow (PRS)	Yes
● Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	351.9 kg
● during manufacturing	23.6 kg
● during operation	328 kg
● after end of life	0.3 kg
product functions / general	
laser protection class	LED Class 1
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://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 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	
Environmental Product Declaration	
● global warming potential [CO2 eq] / during manufacturing	23.6 kg
● global warming potential [CO2 eq] / during operation	328 kg
● global warming potential [CO2 eq] / after end of life	0.3 kg
● global warming potential [CO2 eq] / total	351.9 kg

Environment | **General Product Approval**







Miscellaneous





General Product Approval | **For use in hazardous locations**

China RoHS







FM

CCC-Ex

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For use in hazardous locations	Maritime application				
UL	ABS	BUREAU VERITAS	DNV	LRS	NK / Nippon Kaiji Kyokai

Maritime application				Industrial Communication
PRS	RINA	CCS (China Classification Society)	KR (Korean Register of Shipping)	PROFINET

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