SIEMENS

Data sheet

6GK5108-0PA00-2AA3



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	6; RJ45 with securing collar 2
number of 100 Mbit/s SC ports	
• for multimode	0
interfaces / other	
number of electrical connections • for signaling contact • for power supply type of electrical connection	1 1
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 operational current / of the signaling contacts • at DC / maximum supply voltage, current consumption, power loss	24 V 0.1 A
product component / connection for redundant voltage supply	Yes
supplied active power / of PSE / with PoE • per port / maximum • total / maximum	15.4 W 30.8 W
 type of voltage / 1 / of the supply voltage 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 	DC 24 V 10 W 18 32 V 1.7 A 4-pole terminal block Yes
ambient conditions	
ambient temperatureduring operationduring storage	-20 +60 °C -40 +80 °C

* Indicate the provision of the provisio	e during transport	-40 +80 °C
relative humidity * 12 5° C7 without condensation / during operation / maximum protection class IP design, dimensions and weights design product feature / conformal coating No 24 mm 25 mm top hat DIN rail mounting Yes 37-300 rail mounting Yes 37-300 rail mounting Yes 37-300 rail mounting No 2-37-300 rail mounting Product functions / management, configuration, engineering product function / switch-managed No product function / switch-managed No product function / redundancy product function Parallel Redundancy Protocol (PRP)/peration in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant No Network Access (RNA) Standards, specifications, approvals standard for FM FMS811: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group III, C, T4 For safety / from CSA and UL For methed interference Ference code **Reference immunity** No 18 1000-8-2001 MTBF reference code **Reference immunity** Ference code **Reference imm	during transport note	
### ### ### ### ### ### ### ### ### ##	Tiole	
maximum protection class IP IP30 design dimensions and weights design compact witch 80 mm height 125 mm net weight 0.55 kg product flaution of a pro	relative humidity	
maximum protection class IP IP30 design dimensions and weights design compact witch 80 mm height 125 mm net weight 0.55 kg product flaution of a pro		95 %
design compact width 60 mm height		
design width depth 125 mm depth 126 mm neight 126 mm net weight 0.55 kg product feature / conformal coating 126 mm 127 mm net weight 126 mm net weight 0.55 kg product feature / conformal coating 126 mm 127 mm No No Statening method 128 mm 129 mounting 120 mounting 121 mounting 122 mounting 123 mounting 124 mm No	protection class IP	IP30
width height 125 mm depth 124 mm net weight 0.55 kg product feature / conformal coating No Isastening method 3.5 mm top hat DIN rail mounting • 35 mm top hat DIN rail mounting • 35 mm top hat DIN rail mounting • 57.1500 rail mounting • 76.1500 rail mounting	design, dimensions and weights	
height depth	design	compact
depth	width	60 mm
net weight product feature / conformal coating Instening method • 35 mm top hat DIN rail mounting • series of the	height	125 mm
product feature / conformal coating No festering method	depth	124 mm
fastening method • 35 mm top hat DIN rail mounting • vall mounting • x7-300 rail mounting product functions / management, configuration, engineering product functions / management, configuration, engineering product function / switch-managed • multiport mirroring • cos yes product functions / redundancy • parallel Redundancy Protocol (PRP)/Gedundant the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) standard • for FM for FM for safety / from CSA and UL • for safety / from CSA and UL • for emitted interference • for interference immunity EN 61000-64-22001 MTBF ferference code • according to IEC 81346-2 • for make a provals / hazardous environments standard's, specifications, approvals / hazardous environments standard's, specifications, approvals / hazardous environments standard's, specifications, approvals / hazardous environments standards, specifications, approvals / hazardous environm	net weight	0.55 kg
* 35 mm top hat DIN rail mounting * wall mounting * S7-300 rail mounting * S7-1500 rail mounting * No * Porduct functions / management, configuration, engineering product function * multiport mirroring * No * CoS * Yes * Product function / switch-managed * No * Product function / redundancy * Porduct function * Parallel Redundancy Protocol (PRP)/operation in the PRP-network * Parallel Redundancy Protocol (PRP)/Redundant * Parallel Redundancy Protocol (PRP)/Redundant * Parallel Redundancy Protocol (PRP)/Redundant * For FM * Parallel Redundancy Protocol (PRP)/Redundant * for FM * FM3811: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IC, T4 * If the specifications, approvals * standards * for interference immunity * Fill 1000-6-1, CSA C22.2 No. 60950-1 * Fill 1000-6-1, CSA C22.2 No. 60950-1 * Freference code * according to IEC 81346-2 * according to IEC 81346-2 2019 * KFF * according to IEC 81346-2 2019 * KFF ** standards, specifications, approvals / Exardous environments ** standard / for hazardous zone * From CSA and UL * From CSA and UL * From CSA and UL * CCC / for hazardous zone according to GB standard * standards specifications, approvals / other ** certificate of suitability * CCC / for hazardous zone according to GB standard * EN 61000-6-122001, EN 61000-6-12001, IS GE x nA IIC T4 GC, KEMA OTA-TEX (T4 SC) * From CSA and UL * From	product feature / conformal coating	No
wall mounting	fastening method	
S7-300 rail mounting S7-1500 rail mounting Product functions / management, configuration, engineering Product function I multiport mirroring O CoS Product function / switch-managed Product function / redundancy Product function / redundancy Product function Parallel Redundancy Protocol (PRP)/operation in the PRP-network Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) Standards, epoclifications, approvals standard of FM FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group IIC, T4 U 69850-1, CSA C22.2 No. 60950-1 EN 61000-6-4:2001 FN 61000-6-4:2001 FN 61000-6-2:2001 FN 61000-6-2:2001 FN 61000-6-2:2001 FR 6104 y FR 610	 35 mm top hat DIN rail mounting 	Yes
S7-1500 rail mounting Product functions / management, configuration, engineering product function	wall mounting	Yes
product functions / management, configuration, engineering product function	S7-300 rail mounting	Yes
product functions / management, configuration, engineering product function	• S7-1500 rail mounting	No
product function • multiport mirroring • CoS product functions / redundancy product functions / redundancy product functions / redundancy product function • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/operation in the PRP-network • Parallel Redundancy Protocol (PRP)/Redundant • Parallel Redundancy Protocol (PRP)/Redundant • Parallel Redundancy Protocol (PRP)/Redundant • No No Notwork Access (RNA) standard • for FM for safety / from CSA and UL • for emitted interference • for interference immunity EN 61000-6-2:2001 MTBF reference code • according to IEC 81346-2 • according to IEC 81346-2:2019 standards, specifications, approvals / ER standards, specifications, approvals / Decentificate of suitability / CE marking standards, specifications, approvals / hazardous environments standard / for hazardous zone • from CSA and UL • from CSA and UL • from CSA and UL • for matardous zone • for interference immunity standards, specifications, approvals / bazardous environments standards, specifications, approvals / basardous environments standards, specifications, approvals / basardous environments standards, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard * FN 61000-6-2:2001, EN 61000-6-4:2001 * Yes * Standards, specifications, approvals / other certificate of suitability • CCC / for hazardous zone according to GB standard * FN 61000-6-2:2001, EN 61000-6-4:2001 * Yes * Standards, specifications, approvals / other certificate of suitability • C-Tick * Yes * KC approval • EN 61000-6-2:2001, EN 61000-6-4:2001 * Yes * Standards, specifications, approvals / other certificate of suitability • C-Tick * Yes * Standards, specifications, approvals / other certificate of suitability • C-Tick * Yes * Standards, specifications, approvals / other certificate of suitability • C-Tick * Yes * Standards, specifications, approvals / other certificate of suitability •	product functions / management, configuration, engineer	ing
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certificate of suitability / CE marking standards, specifications, approvals / hazardous environments standard / for hazardous zone • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • E1 approval • E1 approval • Tailway application in accordance with EN 50155 Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) PEN 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 EN 610079-0:2009, 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 Yes **EN 61000-6-2:2001, EN 61000-6-4:2001 Yes **No 1000-6-2:2001, EN 61000-6-4:2001 Yes **Standards, specification, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS)		KFE
standards, specifications, approvals / hazardous environments standard / for hazardous zone • from CSA and UL • from CSA and UL certificate of suitability • CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • E1 approval • E1 approval • railway application in accordance with EN 50155 Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) 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 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 EN 61000-6-2:2001, EN 61000-6-4:2001 Yes **Total Cash Cash Cash Cash Cash Cash Cash Cash		
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from CSA and UL	standards, specifications, approvals / hazardous environ	ments
If the provided in the pr	standard / for hazardous zone	
Group A, B, C, D / T, Class 1 / Zone 2 / Group IIC / T certificate of suitability • CCC / for hazardous zone according to GB standard Yes standards, specifications, approvals / other certificate of suitability • C-Tick • KC approval • E1 approval • E1 approval • E1 approval • railway application in accordance with EN 50155 Yes standards, specifications, approvals / marine classification Marine classification • American Bureau of Shipping Europe Ltd. (ABS) Yes		
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certificate of suitability C-Tick KC approval EN 61000-6-2:2001, EN 61000-6-4:2001 Yes KC approval E1 approval No E1 approval railway application in accordance with EN 50155 Yes standards, specifications, approvals / marine classification Marine classification association American Bureau of Shipping Europe Ltd. (ABS) Yes	-	
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standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) Yes	CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability C-Tick KC approval E1 approval	Yes EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No
Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) Yes	CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability C-Tick KC approval E1 approval E1 approval	Yes EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No
American Bureau of Shipping Europe Ltd. (ABS) Yes	CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability C-Tick KC approval E1 approval Tailway application in accordance with EN 50155	Yes EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No No Yes
	CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability C-Tick KC approval E1 approval Tailway application in accordance with EN 50155	Yes EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No No Yes
• French marine classification society (BV) Yes	CCC / for hazardous zone according to GB standard standards, specifications, approvals / other certificate of suitability C-Tick KC approval E1 approval E1 approval railway application in accordance with EN 50155 standards, specifications, approvals / marine classifications.	Yes EN 61000-6-2:2001, EN 61000-6-4:2001 Yes Yes No No No Yes
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No • Det Norske Veritas (DNV) • 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 http://automation.siemens.com/bilddb • to website: Image database • 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.

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