6GK5108-0BA00-2AC2

Data sheet



SCALANCE XC108, Unmanaged IE switch, 8x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download

product type designation	SCALANCE XC108	
transfer 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	
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	
signal inputs/outputs		
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	
 consumed current / 1 / at rated supply voltage / maximum 	0.25 A	
 supply voltage / 1 / rated value 	9.6 31.2 V	
 type of electrical connection / 1 / for power supply 	4-pole terminal block	
 product component / 1 / fusing at power supply input 	Yes	
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 width height diph 125 mm height 147 mm diph 148 mm diph 149 mm diph 140 mm diph 1	design, dimensions and weights	
width		compact
height		·
Depth 125 mm 12	height	147 mm
Inst weight Material / of the enclosure Material / of the enclosure Sistering method Sisteming met		125 mm
material of the enclosure Ideatening method * 35 mm top het DIN rail mounting * wall mounting * S7-500 rail mounting * Yes * Doduct functions / rountinos, product components / general * number of automatically learnable MAC addresses * 2048 * product function / switch-management, configuration, engineering * product function / switch-managed * No * Possible Redundancy * Product function / switch-managed * No * Parallel Redundancy Protocol (PRP)/operation in * the PRR-network * Parallel Redundancy Protocol (PRP)/Predundant * No Network Access (RNA) * No Network Access (RNA) * Standards, specifications, approvals * standards, specifications, approvals / DEC * Certificate of suitability / Emarking * from CSA and UL * Certificate of suitability * CCC / for hazardous zone * from CSA and UL * Certificate of suitability * CCC / for hazardous zone * from CSA and UL * Certificate of suitability * CCC / for hazardous zone * from CSA and UL * Certificate of suitability * CCC / for hazardous zone * from CSA and UL * Certificate of suitability * CCC / for hazardous zone * from CSA and UL * Certificate of suitability * CCC / for hazardous zone * from CSA and UL * Certificate of suitability * CCC / for hazardous zone * from CSA and UL * Group A, B, C, D / T., Class 1 / Zone 2 / Group IIC / T. * Yes * LED Class 1 *		0.85 kg
*35 mm top hat DN rail mounting *wall mounting *37-300 rail mounting *35-300 rail mounting Yes *37-300 rail mounting *49-400 rail rail rail rail rail rail rail rail		
* wall mounting * S7-500 rail mounting * S0-8 * Paralle Redundancy Protocol (PRP)/S9-2010 * S7-500 rail mounting * S7-500	fastening method	
S7-300 rail mounting Yes 97-1500 rail mounting Product functions, product functions, product components / general number of automatically learnable MAC addresses 2048 product functions / management, configuration, engineering product function / management, configuration, engineering product function / switch-managed No Product function / switch-managed No Product function / switch-managed Product function / switch-managed No Product function / redundancy Product function / redund	35 mm top hat DIN rail mounting	Yes
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product functions / management, configuration, engineering product function multiport mirroring No Yes Yes	number of automatically learnable MAC addresses	2048
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certificate of suitability / CE marking 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 laser protection class certificate of suitability • C-Tick • C-Tick • KC approval • E1 approval • E2 Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping (krRS) • French marine classification society (BV) • Conjude Register of Shipping (krRS) • Polski Rejestr Statkow (PRS) • Royal Institution of Naval Architects (RINA) Intermet-Links Intermet-Link EN 60079-0:2012 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0142 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0142 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0142 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0142 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0142 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0142 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0145 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0145 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0145 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0145 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0145 + A11:2013, EN00079-15:2010, II 3 G Ex nA IIC T4 GC, KEMA 07ATEX0145 + A11:2013, EN00079-10:2011, IEC 6079-0:2011, IEC 6079-0:2	 for emitted interference 	EN 61000-6-4 (Class B)
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 laser protection class certificate of suitability • C-Tick • KC approval • E1 approval • E2 Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1 standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • DNV GL • Korean Register of Shipping (KRS) • Royal Institution of Naval Architects (RINA) further information / internet-Links Internet-Link EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145X, IEC 6079-0:2011, IEC 6079-0	standards, specifications, approvals / CE	
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certificate of suitability CCC / for hazardous zone according to GB standard standards, specifications, approvals / other laser protection class certificate of suitability C-Tick Kapproval Et approval Et a	• from CSA and UL	UL 1604 and UL 2279-15 (Hazardous Location), Class 1 / Division 2 /
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Royal Institution of Naval Architects (RINA) Yes further information / internet-Links Internet-Link	 Lloyds Register of Shipping (LRS) 	Yes
further information / internet-Links Internet-Link	 Polski Rejestr Statkow (PRS) 	Yes
Internet-Link	 Royal Institution of Naval Architects (RINA) 	Yes
	further information / internet-Links	
• to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool	Internet-Link	
	 to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool

• to website: Industrial communication

• to website: Industry Mall

• to website: Information and Download Center

• to website: Image database

• to website: CAx-Download-Manager

• to website: Industry Online Support

http://www.siemens.com/simatic-net

https://mall.industry.siemens.com

http://www.siemens.com/industry/infocenter

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

security information

security information

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