SIEMENS

Data sheet   **6GK5112-2BB00-2AA3**

SCALANCE X112-2, Unmanaged IE switch, 12x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode BFOC, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download

Product type designation	**SCALANCE X112-2**
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
• for network components or terminal equipment	12; RJ45 with securing collar
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
Number of 100 Mbit/s SC ports	
• for multimode	0
Interfaces / other	
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

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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 / minimum	18 V
• external / maximum	32 V
Product component / fusing at power supply input	No
Consumed current / maximum	0.45 A
Power loss [W]	
• at DC / at 24 V	5.16 W

Ambient conditions	
Ambient temperature	
• during operation	-10 ... +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	compact
Width	120 mm
Height	125 mm
Depth	124 mm
Net weight	1.1 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, engineering	
Product function	
• multiport mirroring	No
• CoS	Yes
Product function / 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 / T4, 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 61000-6-4:2001
● for interference immunity	EN 61000-6-2:2001

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes

Standards, specifications, approvals / other

Certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
● C-Tick	Yes
● KC approval	Yes

Standards, specifications, approvals / marine classification

Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● Bureau Veritas (BV)	Yes
● Det Norske Veritas (DNV)	No
● 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

MTBF	61.3 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

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• 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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