SIEMENS

Data sheet

6GK5212-2BB00-2AA3

SCALANCE X212-2, managed IE switch, 12x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode BFOC, LED diagnostics, errorsignaling contact with set button, redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-plug optional

Product type designation	SCALANCE X212-2	
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	
Number of 10/100 Mbit/s RJ45 ports / Integrated		
• with securing collar	12	
Number of 100 Mbit/s ST(BFOC) ports		
● for multimode	2	
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	
design of the removable storage		

• C-PLUG	Yes	
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 / 1 / of the supply voltage	DC	
 Supply voltage / 1 / Rated value 	24 V	
 Power loss [W] / 1 / Rated value 	7.92 W	
 Supply voltage / 1 / rated value 	18 32 V	
Ambient conditions		
Ambient temperature		
 during operation 	-40 +60 °C	
during storage	-40 +70 °C	
during transport	-40 +70 °C	
Relative humidity		
 at 25 °C / without condensation / during operation / maximum 	95 %	
Protection class IP	IP30	
Design dimensions and weights		
Design, dimensions and weights		
Design, dimensions and weights Design	compact	
	compact 120 mm	
Design		
Design Width	120 mm	
Design Width Height	120 mm 125 mm	
Design Width Height Depth	120 mm 125 mm 124 mm	
Design Width Height Depth Net weight	120 mm 125 mm 124 mm	
Design Width Height Depth Net weight Mounting type	120 mm 125 mm 124 mm 1.2 kg	
Design Width Height Depth Net weight Mounting type • 35 mm DIN rail mounting	120 mm 125 mm 124 mm 1.2 kg Yes	
Design Width Height Depth Net weight Mounting type • 35 mm DIN rail mounting • wall mounting	120 mm 125 mm 124 mm 1.2 kg Yes Yes	
Design Width Height Depth Net weight Mounting type • 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting Product features, product functions, product compo	120 mm 125 mm 124 mm 1.2 kg Yes Yes Yes No	
Design Width Height Depth Net weight Mounting type • 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting Product features, product functions, product comport Cascading in the case of a redundant ring / at	120 mm 125 mm 124 mm 1.2 kg Yes Yes Yes No	
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Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
 media redundancy protocol (MRP) with redundancy manager 	Yes
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
Passive listening	Yes
Product functions / Security	
Protocol / is supported	
• SSH	Yes
Product functions / time	
Product function	
 SICLOCK support 	Yes
Protocol / is supported	
● NTP	No
• SNTP	Yes
Standards, specifications, approvals	
Standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
 for hazardous zone 	EN 60079-0: 2006, EN60079-15: 2005, II 3 (2) G Ex nA [op is] IIC T4, KEMA 07 ATEX 0145 X
 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
 for hazardous zone / from CSA and UL 	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4
 for emitted interference 	EN 61000-6-4:2001 (Class A)
 for interference immunity 	EN 61000-6-2:2001
MTBF	51.18 у
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
 Railway application in accordance with EN 50155 	No
 Railway application in accordance with EN 50124-1 	No
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

Further information / Internet-Links

Internet-Link

Interference• to website: Selector SIMATIC NET
SELECTION TOOLhttp://www.siemens.com/snst• to website: Industrial communicationhttp://www.siemens.com/simatic-net• to website: Industry Mallhttps://mall.industry.siemens.com• to website: Information and Download Centerhttp://www.siemens.com/industry/infocenter• to website: Inage databasehttp://automation.siemens.com/bilddb• to website: CAx Download Managerhttp://www.siemens.com/cax• to website: Industry Online Supporthttps://support.industry.siemens.com

Security information

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