

OFFICIAL MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

6GK5212-2BC00-2AA3

Siemens official documentation for the exact article number.

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Selected official Siemens pages follow this cover.

Product type designation



SCALANCE X212-2LD

SCALANCE X212-2LD, MANAGED IE SWITCH, 12 X 10/100MBIT/S RJ45 PORTS, 2 X 100MBIT/S SINGLEMODE BFOC, LED-DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY PROFINET-IO DEVICE, NETWORK- MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, INCL. ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL

Transmission 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 100 Mbit/s ST(BFOC) ports	
• for single mode (LD)	2
Number of 100 Mbit/s SC ports	
• for multimode	0
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0
Interfaces / others	
Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1

Type of electrical connection	• for signaling contact • for power supply	2-pole terminal block 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 / of the supply voltage		DC
Supply voltage	• external • external	24 V 18 ... 32 V
Product component / fusing at power supply input		Yes
Fuse protection type / at input for supply voltage		1.1 A / 33 V
Consumed current / maximum		0.33 A
Power loss [W]	• at DC / at 24 V	7.92 W
Permitted ambient conditions		
Ambient temperature	• during operation • during storage • during transport	-40 ... +60 °C -40 ... +70 °C -40 ... +70 °C
Relative humidity	• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP		IP30
Design, dimensions and weight		
Design		compact
Width		120 mm
Height		125 mm
Depth		124 mm
Net weight		1.2 kg
Mounting type	• 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting	Yes Yes Yes No

Product properties, functions, components / general	
Cascading in the case of a redundant ring / at reconfiguration time of <~0.3~s	100
Cascading in cases of star topology	any (depending only on signal propagation time)
Product functions / management, configuration	
Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• Port mirroring	Yes
• multiport mirroring	No
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
Product functions / Diagnosis	
Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes
Product functions / DHCP	
Product function	

• DHCP client	Yes
Product functions / Redundancy	
Product function	
• Ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	No
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, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
• for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• 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
Certificate of suitability / CE marking	Yes
Certificate of suitability	EN 61000-6-2:2001, EN 61000-6-4:2001
• C-Tick	Yes