SIEMENS

Data sheet



SCALANCE XB213-3LD managed layer 2 IE switch 13x 10/100 Mbit/s RJ45 ports, 3x SM FO SC-port 1x console port, diagnostics LED, redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; DIN-rail mounting; default PROFINET.

product type designation	SCALANCE XB213-3LD	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s	
number of ports / maximum	16	
interfaces / for communication / maximum configuration for modular devices		
number of electrical ports / maximum	13	
number of optical ports / maximum	3	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	13; RJ45	
number of 100 Mbit/s SC ports		
• for single mode (LD)	3	
interfaces / other		
number of electrical connections		
• for operator console	1	
 for management purposes 	1	
for power supply	1	
type of electrical connection		
 for operator console 	RJ11	
 for management purposes 	RJ45	
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	9.6 W	
supply voltage / 1 / rated value	19.2 28.8 V	
 consumed current / 1 / maximum 	0.4 A	
 type of electrical connection / 1 / for power supply 	6-pole terminal block	
 product component / 1 / fusing at power supply input 	Yes	
ambient conditions		
ambient temperature		
during operation	0 00 °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	IP20	
design, dimensions and weights		
design	compact	

height 1977 mm decay of the enclosure relieving to the enclosure relieving to the enclosure relativistic product features and the enclosure relativistic product features product features and the enclosure relativistic product features product features and the enclosure relativistic product features and the enclosure relativistic product features and product features are enclosured to the enclosure relativistic product features and product features are enclosed and the enclosure of the enclosure		100
depth 100 mm not weight 0.5 kg material of the enclosure Polycathonate (PC-GF10)	width	120 mm
Institution of the enclosure Instensing method So and top hat DIN rail mounting ground resulturs, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration and of -\0.0		
Instantian / of the enclosure Instanting method - 35 mm top hat DIN rail mounting product finatures, product functions, product components / general scaceding in the case of a refundant ring / at reconfiguration men of +01.30-is cascading in the case of a refundant ring / at reconfiguration men of +01.30-is cascading in the case of a refundant ring / at reconfiguration cascading in the case of a refundant ring / at reconfiguration product function - CLI - Ves	depth	
Sam top bit DN rail mounting	net weight	0.5 kg
- 35 mm top hat DN rail mounting product features product features product features product features product features of a redundant ring / at reconfiguration product features of a redundant ring / at reconfiguration and (depending only on signal propagation time) product functions / mainsyments / configuration engineering product function / mainsyments / verification / verific	material / of the enclosure	Polycarbonate (PC-GF10)
product finatures, product functions, product components / general cascading in the case of a redundant ring / at reconfiguration time of V-c) 3-2 cascading in cases of star topology product functions / management, configuration, engineering product functions / management, configuration, engineering product function	fastening method	
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time of X-0.3 S cascading in cases of star topology product functions / management, configuration, engineering product functions / Yes - CLI - web-based management - CLI - web-based management - Yes - MRAPs via email - Yes - RRAPs via email - Yes - CAS - PROFINET IO diagnosis - PROFINET Conformity class - RRAPS via based product functions - PROFINET conformity class - RRAPS via product function / switch-managed - Lategram length / for Ethernet / maximum - protocol / is supported - Teinet - HTTP - Yes - TETP - Yes - TETP - Yes - TETP - Yes - TETP - Yes - SNAMP v2 - SNAMP v3 - SNAMP v1 - SNAMP v1 - SNAMP v1 - SNAMP v3 - SNAMP v3 - SNAMP v3 - SNAMP v4 - SNAMP v3 - SNAMP v4 - SNAMP v4 - SNAMP v3 - SNAMP v4 - SNAMP v4 - SNAMP v4 - SNAMP v3 - SNAMP v4 - SNAMP v3 - SNAMP v4 - SNAMP v4 - SNAMP v4 - SNAMP v4 - SNAMP v5 - SNAMP v5 - SNAMP v5 - SNAMP v6 - SNAMP v6 - SNAMP v6 - SNAMP v7 - SNAMP v8 - SNAMP	product features, product functions, product components / gene	eral
cascading in cases of start topology product functions / minagement, configuration, another/ing product function / minagement (50
product functions / management Yes • CLI • Web-based management Yes • Mill support Yes • Mill support Yes • Configuration with STEP 7 Yes • CRIANON Yes • PROFINET Conformity class B • PROFINET conformity class Product function Switch-managed Yes • Let gram length / for Etheret / maximum 1832 byte • Trenet Yes • HITTP Yes • HITTP Yes • HITTP Yes • FEP Yes • FEP Yes • FEP Yes • FEP Yes • CCP Yes • LLDP Yes • SIAMP v2 Yes • SIAMP v3 Yes • SIAMP v4 Yes • SIAMP v4 Yes • SIAMP v5 Yes • SIAMP v6 Siamps level designation Yes • SIAMS Siamps level designation Yes • SIAMS Siamps level designation/catein designation • Port diagnostics Yes • Sistiatics Packet Size Yes • Sistiatics		any (depending only on signal propagation time)
product function CLI vexeb-based management Ves NIBB support Yes TRAPs wa email Configuration with STEP 7 NRION Pos On thirding Wes PROFINET Oldiagnosis PROFINET outformity glass PROFINET conformity class PROFINET class / Cache class / Ca		any (depending only on signal propagation time)
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* MIB support * TRAPs via email * Configuration with STEP 7 * RMON * PROFINET IC diagnosis * PROFINET IC diagnosis * PROFINET IC diagnosis * PROFINET Conformty class * PROFINET CONFORMTY * PR		
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• port mirroring • multiport mirroring • CoS • PROFINET IO diagnosis • PROFINET conformity class • PROFINET conformity class • PROFINET conformity class • PROFINET conformity class • B • network load class / according to PROFINET product function / switch-managed telegram tength / for Ethernet / maximum protocol / is supported • Telnet • HTTP • Yes • HTTP • Yes • HTTP • Yes • TETP • Yes • DOP • LLDP • EtherNet/IIP • SNMP Y • S		
- multiport mirroring - CoS - CoS - PROFINET IO diagnosis - PROFINET conformity class - PROFINET conformity class - Retwork load class / according to PROFINET - 3 - product function / switch-managed - Yes - telegram length / for Ethernet / maximum - protocol / is supported - Teinet - Teine		
• CoS		
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product function / switch-managed telegram length / for Ethernet / maximum forticol / is supported • Teinet • HTTP • HTTP • HTTPS • HTTPS • FTP • FTP • DCP • LLDP • EtherNet/IP • SNMP V1 • SNMP V2 • SNMP V3 • IGMP (snooping/querier) identification & maintenance function • (AM) - device-specific information • (AM) - sport diagnostics product functions / diagnostics product functions / Pes • statistics packet type • error statistics • Syst.og • (A) - yort based rumber of VLANs - dynamic / maximum rumber of VLANs - dynamic / ma	<u> </u>	
Elegram length / for Ethernet / maximum 1632 byte	network load class / according to PROFINET	3
Fortical / Is supported Flint	product function / switch-managed	Yes
• Telnet • HTTP • HTTPS • HTTP • HTTPS • Yes • HTTP • FTP • FTP • FTP • FTP • FTP • PCP • LLDP • CCP • LLDP • CEMP (SNMP v1) • SNMP v1 • SNMP v2 • SNMP v3 • (GMP (snooping/querier) • (BM0 - device-specific information • (BM0 - device-specific information • (BM0 - device-specific information) • (BM1 - higher level designation/location designation) product functions / diagnostics product functions • port diagnostics • statistics Packet Size • statistics Packet type • error statistics • (SysLog) • (Sys	telegram length / for Ethernet / maximum	1632 byte
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HTTPS • TETP • TETP • TETP • DCP • LLDP • EtherNet/IP • SNMP V1 • SNMP V2 • SNMP V3 • IGMP (snooping/querier) • Identification & maintenance function • I&M0 - device-specific information • I&M0 - device-specific information • I&M1 - higher level designation/location designation product functions / diagnostics product function • port diagnostics product function • or or statistics Packet Size • statistics packet type • error statistics • SysLog • loopback diagnostics Product function • VLAN - port based • ves product function • VLAN - port based • umber of VLANs / maximum 257 • number of VLANs / dynamic / maximum 257 • number of VLANs / dynamic / maximum 257 • number of VLANs / at ring redundancy (HRP; MRP; standby link) product functions / DHCP product functions / DHCP product functions / DHCP	• Telnet	Yes
• TFTP • FTP • FTP • FTP • PCP • DCP • LLDP • EtherNet/IP • SMMP v1 • SMMP v1 • SMMP v2 • SMMP v3 • IGMP (snooping/querier) • I&MO - device-specific information • Ves • statistics Acket Size • statistics Packet Size • statistics Packet Size • statistics Packet Size • statistics packet type • error statistics • Yes • statistics packet type • error statistics • Yes • statistics packet type • yes • forduct function • Ves • Ves • Sysl.og • Ves • Olopback diagnostics • Yes • orduct functions / VLAN product function • VLAN - port based • Ves • number of VLANs / maximum • Ves • number of VLANs / maximum • Ves • rorduct function / VLANs / daring redundancy (HRP; MRP; standby link) product functions / DHCP product functions / DHCP	• HTTP	Yes
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product functions / VLAN product function		
product function		160
● VLAN - port based number of VLANs / maximum 257 number of VLANs - dynamic / maximum 257 number of VLANs / at ring redundancy (HRP; MRP; standby link) product functions / DHCP product function		
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number of VLANs - dynamic / maximum 257 number of VLANs / at ring redundancy (HRP; MRP; standby link) product functions / DHCP product function	<u> </u>	
number of VLANs / at ring redundancy (HRP; MRP; standby link) 257 product functions / DHCP product function		
link) product functions / DHCP product function	·	
product function		257
	product functions / DHCP	
DHCP client Ves	product function	
PHOTOGRAPH TES	DHCP client	Yes

product functions / redundancy	
product function	
of the PROFINET IO device / is supported / PROFINET	No
system redundancy	110
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 	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
 media redundancy protocol (MRP) with redundancy manager 	Yes
Media Redundancy Protocol Interconnection (MRP-I)	Yes
• redundancy procedure STP	Yes
redundancy procedure RSTP	Yes
redundancy procedure RSTP+	Yes
Parallel Redundancy Protocol (PRP)/operation in the	No
PRP-network	
passive listening	Yes
protocol / is supported	Von
• LACP	Yes
product functions / security	
product function	
ACL - MAC-based	Yes
ACL - port/MAC-based	Yes
• IEEE 802.1x (radius)	Yes
 broadcast/multicast/unicast limiter 	Yes
broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
• SSL	Yes
product functions / time	
product function	
 SICLOCK support 	Yes
NTP-client	Yes
SNTP client	Yes
protocol / is supported	
• 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, FM19US0167X
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-2
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	40 a
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• 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, T11, E240480
certificate of suitability	, , , , , , , , , , , , , , , , , , , ,
CCC / for hazardous zone according to GB standard	Yes
CCC / for hazardous zone according to GB standard / as	Ex nA IIC T4 Gc

marking standards, specifications, approvals / other certificate of suitability EN 61000-6-2, EN 61000-6-4 C-Tick Yes KC approval Yes 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 • 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, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-ofthe-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under

Approvals / Certificates

General Product Approval

EMC

For use in hazardous locations

Manufacturer Declaration





ATEX-Zone 2-Declaration

https://www.siemens.com/cert. (V4.6)



<u>FM</u>

For use in hazardous locations

Declaration of Conformity

CCC-Ex









Manufacturer Declaration

Declaration of Conformity

other

Environment

Miscellaneous

PROFINET-Certification



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10/27/2023

