SIEMENS

Data sheet

Product description

6GK5213-3BD00-2AB2

Preset for PROFINET mode!

SCALANCE XB213-3 managed Layer 2 IE Switch 13x 10/100 Mbit/s RJ45 ports, 3x MM FO SC port 1x console port, diagnostics LED, redundant power supply, temp. range 0 °C to +60 °C; mounting onto standard rail; Default PROFINET



Product type designation	SCALANCE XB213-3
Transfer rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / Integrated	
Number of electrical connections	
 for network components or terminal equipment 	13; RJ45
Number of 100 Mbit/s SC ports	
• for multimode	3
Interfaces / other	
Number of electrical connections	
 for operator console 	1
 for management purposes 	1
• for power supply	1
 for redundant voltage supply 	1
Type of electrical connection	
 for operator console 	RJ11
 for management purposes 	RJ45

• for power supply

6-pole terminal block

 for power supply 	6-pole terminal block	
Supply voltage, current consumption, power loss		
Type of voltage / of the supply voltage	DC	
Supply voltage		
• external	24 V	
• external / minimum	19.2 V	
• external / maximum	28.8 V	
Product component / fusing at power supply input	Yes	
Consumed current / maximum	0.41 A	
Ambient conditions		
Ambient temperature		
 during operation 	0 60 °C	
 during storage 	-40 +70 °C	
• during transport	-40 +70 °C	
Relative humidity		
• at 25 °C / without condensation / during	95 %	
operation / maximum		
Protection class IP	IP20	
Design, dimensions and weights		
Design	Box	
Width	120 mm	
Height	117 mm	
Depth	109 mm	
Net weight	0.5 kg	
Material / of the enclosure	Plastic	
Mounting type		
 35 mm DIN rail mounting 	Yes	
wall mounting	No	
 S7-300 rail mounting 	No	
 S7-1500 rail mounting 	No	
Product features, product functions, product compo	nents / general	
Cascading in the case of a redundant ring / at	50	
reconfiguration time of <\~0.3\~s		
Cascading in cases of star topology	any (depending only on signal propagation time)	
Product functions / management, configuration, engineering		
Product function		
• CLI	Yes	
 web-based management 	Yes	
MIB support	Yes	
• TRAPs via email	Yes	
 Configuration with STEP 7 	Yes	

FordYes• Ruliport mirroringNo• CoSYes• with IRT / PROFINET 10 switchNo• PROFINET conformity classBPROFINET conformity classBProduct function / switch-managedYes• Telegrain length / for Ethernet / maximum1522 byteProtocol / is supportedYes• TainetYes• TainetYes• TainetYes• TFIPYes• TFIPYes• TFIPYes• TFIPYes• EDOPYes• EDOPYes• EDOPYes• EDOPYes• EDOPYes• EtherNet/IPYes• EtherNet/IPYes• SIMMP v1Yes• SIMMP v2Yes• SIMMP v3Yes• Edomination forcationYes• EdominationYes• Sististics Packet SizeYes• Sististics packet typeYes• Sististics packet typeYes• Sististics packet typeYes• Forduct functionYes• Product functionYes• Sististics packet typeYes• Sististics pac		Yes
IndultorNo• CoSYes• with IRT / PROFINET IO switchNo• PROFINET Conformity classBProduct function / switch-managedYesProduct function / switch-managedYesProduct function / switch-managedYesProtocol / is supportedYes• FilnetYes• HTTPYes• HTTPSYes• HTTPSYes• HTTPSYes• HTTPSYes• FIPYes• BOOTPYes• DOPYes• LIDPYes• SNMP v1Yes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• ISAM or device-specific informationYes• Reduct functions / DiagnosticsYes• Product functionYes• Statistics Packet SizeYes• Statistics Packet SizeYes <td>RMON</td> <td></td>	RMON	
• CoSYes• with IRT / PROFINET IO switchNo• PROFINET IO diagnosisYesPROFINET IO diagnosisBProduct function / switch-managedYes• Telegram length / for Ethemet / maximum1522 byteProduct function / switch-managedYes• Telegram length / for Ethemet / maximum1522 byteProduct function / switch-managedYes• Telegram length / for Ethemet / maximumYes• Telegram length / for Ethemet / maximum1522 byteProduct function / switch-managedYes• HITTPYes• HITTPYes• HITTPYes• HITTPYes• EtherNet/IPYes• EtherNet/IPYes• EtherNet/IPYes• SNMP v1Yes• SNMP v3Yes• IGMM (snopping/querier)Yes• Product functions / DiagnosticsYes• Statistics Packet SizeYes• Statistics packet SizeYes• For statisticsYes• For statisticsYes• SysLogYes• Ictor on statisticsYes• Statistics packet SizeYes• Statistics packet Siz		
Not• with IRT / PROFINET IO switchNo• PROFINET conformity classBProduct function / switch-managedYesProduct function / switch-managedYes• Telegrain length / for Ethernet / maximum1322 byteProtocol / is supportedYes• TarlnetYes• TTPSYes• HTTPSYes• HTTPSYes• FTPYes• BOOTPNo• DCPYes• EtherNet/IPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• SNMP v3Yes• Identification & maintenance functionYes• Bott functions / DiagnosticsYes• Portuct functionYes• PortugenesitiesYes• Statistics Packet SizeYes• Statistics Packet SizeYes• Statistics Packet SizeYes• Statistics Packet SizeYes• Corpotat functionYes• Portuct functions / VLNNYes• Product functionsYes• SysLogYes• SysLogYes• SysLogYes• SysLogYes• Statistics Packet SizeYes• SysLogYes• Porduct functionYes• Product functionYes• VLNN - protocobasedNo• VLNN - protocobasedNo• VLNN - protocobasedNo• VLNN - IP-basedNo		
• PROFINET to diagnosis Yes PROFINET conformity class B Product function / switch-managed Yes Telegram length / for Ethemet / maximum Telesyam length / for Ethemet / maximum • Teinet Yes • Teinet Yes • Teinet Yes • HTTP Yes • HTTP Yes • HTTP Yes • FTP Yes • BOOTP No • DCP Yes • BOOTP No • DCP Yes • BOOTP Yes • BOMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes • Identification & maintenance function Yes • Identification / Diagnostics Yes • Porduct functions Ves • Statistics Packet Size Yes • Statistics Packet Size Yes • Statistics		
PROFINET conformity class B Product function / switch-managed Yes Telegram length / for Ethernet / maximum 1522 byte Protocol / is supported Yes Telinet Yes Telinet Yes HTTP Yes BOOTP No BODTP Yes BLDP Yes SIMMP v1 Yes SIMMP v2 Yes SIMMP v3 Yes IGMP (snooping/querier) Yes I&MO - device-specific information i&&MO - device-specific information I&&MO + higher-level designation/location Statistics packet type Product function		
Product function / switch-managed Yes Telegram length / for Ethernet / maximum 1522 byte Protocol / is supported - • Telnet Yes • HTTP Yes • HTTP Yes • HTTPS Yes • HTTP Yes • HTTP Yes • HTTP Yes • BOOTP No • DCP Yes • EtherNet/IP Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes • Identification & maintenance function Yes • I&M0 - device-specific information Yes • Identification & maintenance function Yes • I&M1 - higher-level designation/location Yes • Product function Yes • Statistics Packet Size Yes • Ioopback diagnostics <td></td> <td></td>		
Telegram length / for Ethernet / maximum 1522 byte Protocol / is supported Yes • Talnet Yes • HTTP Yes • HTTPS Yes • TFTP Yes • FTP Yes • BOOTP No • DCP Yes • LLDP Yes • EtherNet/IP Yes • SNMP v1 Yes • SNMP v2 Yes • IGMP (anooping/querier) Yes • Identification & maintenance function Yes • I&M0 - device-specific information Yes • I&M0 - device-specific information Yes • I&M0 - device-specific information Yes • Statistics Packet Size Yes • Statistics packet type Yes • Isopack diagnostics Yes • Isopack diagnostics Yes • Isopack function Yes • Statistics packet type Yes • Statistics packet type Yes • Isopack function Yes • VLAN - port based Yes • VLAN - portbased No	-	
Protocol / is supported Yes • Telnet Yes • HTTP Yes • HTTPS Yes • TFTP Yes • BOOTP Yes • BOOTP Yes • LLDP Yes • EtherNet/P Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes • Identification & maintenance function Yes • Identification & maintenance function Yes • Identification & maintenance function Yes • Identification & maintenance function Yes • Pord diagnostics Yes • Statistics Packet Size Yes • Statistics packet type Yes • Statistics packet type Yes <		
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HITPYesHITPSYesHITPSYesFTPYesFTPYesBOOTPNoDCPYesLLDPYesSIMP v1YesSIMP v2YesSIMP v3YesIdentification & maintenance functionYesIBMO - device-specific informationYesIdentification & maintenance functionYesStatistics Packet SizeYesStatistics Packet SizeYesStatistics packet typeYesStatistics packet typeYesStatistics packet typeYesStatistics packet typeYesStatistics packet typeYesVLAN - port basedYesVLAN - port basedNoVLAN - IP-basedNo	Protocol / is supported	
HTTPSYes• FTPYes• FTPYes• BOOTPNo• DCPYes• LLDPYes• LLDPYes• EtherNet/IPYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• Identification & maintenance functionYes• ISMMP v3Yes• Identification & maintenance functionYes• Istaistics Packet SizeYes• Product functionYes• Statistics packet typeYes• Statistics packet typeYes• Error statisticsYes• SysLogYes• loopback diagnosticsYes• VLAN - port basedYes• VLAN - port basedNo• VLAN - IP-basedNo	• Telnet	
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BOOTPNoDCPYesLLDPYesEtherNet/IPYesSNMP v1YesSNMP v2YesSNMP v3YesIGMP (snooping/querier)YesIdentification & maintenance functionYesi8M0 - device-specific informationYesi8M1 - higher-level designation/locationYesProduct functionsYesStatistics Packet SizeYesStatistics packet typeYesStatistics packet typeYesistatisticsYesStatistics packet typeYesVLAN - port basedYesVLAN - port basedNoVLAN - IP-basedNo	• TFTP	Yes
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LLDPYesEtherNet/IPYesSNMP v1YesSNMP v2YesSNMP v3YesIGMP (snooping/querier)YesIdentification & maintenance functionYesI&M0 - device-specific informationYesI&M1 - higher-level designation/locationYesProduct functions / DiagnosticsYesProduct functionYesStatistics Packet SizeYesStatisticsYesStatisticsYesStatisticsYeseloopback diagnosticsYesProduct functionYesVLAN - port basedYesVLAN - protocol-basedNoVLAN - IP-basedNo	• BOOTP	No
Lefter.Net/IPYes• Ether.Net/IPYes• SNMP v1Yes• SNMP v3Yes• IGMP (snooping/querier)YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/locationYes• Restrict functions / DiagnosticsYes• Product functionYes• Statistics Packet SizeYes• Statistics packet SizeYes• Statistics packet SizeYes• Error statisticsYes• Ioopback diagnosticsYes• Ioopback diagnosticsYes• SysLogYes• Ioopback diagnosticsYes• VLAN - port basedYes• VLAN - protocol-basedNo• VLAN - IP-basedNo	• DCP	Yes
• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/locationYes• Product functions / DiagnosticsYesProduct functionYes• Statistics Packet SizeYes• Statistics packet typeYes• Statistics packet typeYes• Error statisticsYes• loopback diagnosticsYes• loopback diagnosticsYes• VLAN - port basedYes• VLAN - protocol-basedNo• VLAN - IP-basedNo	• LLDP	Yes
• SNMP v2Yes• SNMP v3Yes• IGMP (snooping/querier)YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosticsYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYes• loopback diagnosticsYes• product functions / VLANYesProduct functionYes• VLAN - port basedYes• VLAN - IP-basedNo• VLAN - IP-basedNo	• EtherNet/IP	Yes
• SNMP v3Yes• IGMP (snooping/querier)YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosticsYes• Pord diagnosticsYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYes• loopback diagnosticsYes• product functions / VLANYesProduct functionsYes• VLAN - port basedYes• VLAN - protocol-basedNo• VLAN - IP-basedNo	• SNMP v1	Yes
Identification & maintenance functionYesIdentification & maintenance functionYesI&M0 - device-specific informationYesI&M1 - higher-level designation/locationYesProduct functions / DiagnosticsYesProduct functionYesStatistics Packet SizeYesStatistics packet typeYesStatistics packet typeYesSysLogYesNoYesProduct functionYesVLAN - protocol-basedYesNoNoVLAN - IP-basedNo	• SNMP v2	Yes
• IGMP (snooping/querier)YesIdentification & maintenance functionYes• I&M0 - device-specific informationYes• I&M1 - higher-level designation/locationYesProduct functions / DiagnosticsYesProduct functionYes• Port diagnosticsYes• Statistics Packet SizeYes• Statistics packet typeYes• Statistics packet typeYes• loopback diagnosticsYes• Product functions / VLANYes• VLAN - prot basedYes• VLAN - protocol-basedNo• VLAN - IP-basedNo	• SNMP v3	Yes
Identification & maintenance function Yes I&M0 - device-specific information Yes I&M1 - higher-level designation/location Yes Product functions / Diagnostics Yes Product function Yes • Port diagnostics Yes • Statistics Packet Size Yes • Statistics packet type Yes • Error statistics Yes • loopback diagnostics Yes • loopback diagnostics Yes • loopback not function Yes • VLAN - port based Yes • VLAN - protocol-based No • VLAN - IP-based No		Yes
• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosticsYesProduct function • Port diagnosticsYes• Statistics Packet SizeYes• Statistics packet typeYes• Error statisticsYes• SysLogYes• loopback diagnosticsYesProduct function • VLAN - port basedYes• VLAN - protocol-based • VLAN - IP-basedNo		
• I&M1 - higher-level designation/location designationYesProduct functions / DiagnosticsYesProduct function • Port diagnosticsYes• Port diagnosticsYes• Statistics Packet Size • Statistics packet typeYes• Statistics packet typeYes• Error statistics • SysLog • loopback diagnosticsYesProduct functions / VLANYesProduct function • VLAN - port based • VLAN - protocol-based • VLAN - IP-basedYes	 I&M0 - device-specific information 	Yes
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• Error statistics Yes • SysLog Yes • loopback diagnostics Yes Product functions / VLAN Yes • VLAN - port based Yes • VLAN - protocol-based No • VLAN - IP-based No	 Statistics Packet Size 	Yes
 SysLog SysLog Ves Ves Product functions / VLAN Product function VLAN - port based VLAN - protocol-based No VLAN - IP-based No 	 Statistics packet type 	Yes
 loopback diagnostics Yes Product functions / VLAN Product function VLAN - port based Yes VLAN - protocol-based No VLAN - IP-based No 	Error statistics	Yes
Product functions / VLAN Product function • VLAN - port based Yes • VLAN - protocol-based No • VLAN - IP-based No	• SysLog	Yes
Product function • VLAN - port based • VLAN - protocol-based • VLAN - IP-based No	 loopback diagnostics 	Yes
• VLAN - port basedYes• VLAN - protocol-basedNo• VLAN - IP-basedNo		
 VLAN - protocol-based VLAN - IP-based No 	Product function	
• VLAN - IP-based No	 VLAN - port based 	Yes
	 VLAN - protocol-based 	No
	 VLAN - IP-based 	No
• VLAN dynamic No	VLAN dynamic	No

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	Yes
redundancy manager	
 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
redundancy procedure STP	Yes
 redundancy procedure RSTP 	Yes
 redundancy procedure MSTP 	No
 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	
Product function	
• IEEE 802.1x (radius)	Yes
 Broadcast/Multicast/Unicast Limiter 	Yes
 broadcast blocking 	Yes
Protocol / is supported	
• SSH	Yes
Product functions / time	
Product function	
SICLOCK support	Yes
Protocol / is supported	
• NTP	Yes
• 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, 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, T9
 for emitted interference 	EN 61000-6-4 (Class A)
 for interference immunity 	EN 61000-6-2
Security for industrial automation and control systems / acc. to IEC 62443-4-2:2019	Yes

Standards, specifications, approvals / CE	
Certificate of suitability / CE marking	Yes
Standards, specifications, approvals / other	
Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
 Railway application in accordance with EN 50155 	No
 Railway application in accordance with EN 50124-1 	No
 KC approval 	Yes
Further information / Internet-Links	
to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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

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