SIEMENS

Data sheet

6GK5213-3BB00-2TB2



SCALANCE XB213-3 managed Layer 2 IE switch 13x 10/100 Mbit/s RJ45 ports, 3x MM FO ST 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 EtherNet/IP.

product type designation	SCALANCE XB213-3
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
number of ports / maximum	16
interfaces / for communication / integrated	
number of electrical connections	
 for network components or terminal equipment 	13; RJ45
number of 100 Mbit/s ST(BFOC) ports	
for multimode	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 	9.8 W
 supply voltage / 1 / rated value 	19.2 28.8 V
 consumed current / 1 / maximum 	0.41 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 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	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
fastening method	
35 mm top hat DIN rail mounting	Yes
product features, product functions, product components	/ 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, engineeri	ng
product function	
• CLI	Yes
 web-based management 	Yes
MIB support	Yes
• TRAPs via email	Yes
configuration with STEP 7	Yes
RMON	Yes
port mirroring multiport mirroring	Yes No
multiport mirroring CoS	Yes
PROFINET IO diagnosis	Yes
PROFINET TO diagnosis	B
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1522 byte
protocol / is supported	
Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
 IGMP (snooping/querier) identification & maintenance function 	Yes
I&M0 - device-specific information	Yes
I&M1 – higher level designation/location designation	Yes
product functions / diagnostics	
product function	
port diagnostics	Yes
statistics Packet Size	Yes
 statistics packet type 	Yes
 error statistics 	Yes
 SysLog 	Yes
 loopback diagnostics 	Yes
product functions / VLAN	
product function	
 VLAN - port based 	Yes
product functions / DHCP	
product function	
DHCP client	Yes
product functions / redundancy	
product function	
ring redundancy	Yes
High Speed Redundancy Protocol (HRP) high append redundancy protocol (HRP) with	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
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product function	
 media redundancy protocol (MRP) with redundancy manager 	Yes
 manager Media Redundancy Protocol Interconnection (MRP- 	Yes
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 redundancy procedure STP 	Yes
redundancy procedure RSTP	Yes
 redundancy procedure RSTP+ 	Yes
 Parallel Redundancy Protocol (PRP)/operation in 	No
the PRP-network	
 passive listening 	Yes
protocol / is supported	
• 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 emitted interference 	EN 61000-6-4 (Class A)
 for interference immunity 	EN 61000-6-2
IT security for industrial automation systems / according to	Yes
IEC 62443-4-2:2019	
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 environn	nents
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07
	ATEX 0145X
certificate of suitability	
CCC / for hazardous zone according to GB standard	Yes
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
KC approval	Yes
further information / internet-Links	
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, solutions,

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