SIEMENS

Data sheet

6GK5213-3BF00-2TB2



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 EtherNet/IP.

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	or 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 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 Box wddin 120 mm hespin 100 mm dgeb 100 mm dgeb 100 mm dgeb 0.5 kg material/office anosaue Plastic lastening method 0.5 kg estanting method 93 mm top hat DN hat mounting yes product features, product fonctions, product comments? general cascading in the case of a redundant mg / at 50 cascading in case of start topology any (depending only on signal propagation time) product function Yes velocit function Yes occoll purption, engineering Yes velocit function Yes occoll purption with STEP 7 Yes velocit function Yes occoll purption with STEP 7 Yes velocit function Yes reduct function velocit head Yes occoll purption with step reduct function velocit head Yes reduct function velocit head Yes reduct function velocit head Yes reduct function	design, dimensions and weights	
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DHCP client Yes	product functions / DHCP	
	product function	
product functions / redundancy		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 	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 PRP-network 	No
passive listening	Yes
protocol / is supported	
• LACP	Yes
product functions / security	
product function	No.
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	Ver
SICLOCK support	Yes
 NTP-client SNTP client 	Yes
protocol / is supported	Yes
SNTP	Yes
standards, specifications, approvals	165
standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
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
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 environr	nents
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
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
urther 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
ecurity information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter For more information, visit http://support.automation.siemens.com. (V3.4)

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