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Data sheet 6GK5205-3BF00-2AB2

product description

Preset for PROFINET mode!
SCALANCE XB205-3LD managed Layer 2 IE Switch 5x IEC 62443-4-2 certified; 10/100 Mbps RJ45 ports 3x SM FO SC port 1x console port, diagnostics LED redundant power supply; temp. range 0 °C to +60 °C; attachment to DIN rail; default PROFINET



product type designation	**SCALANCE XB205-3LD**
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	5; 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
• for power supply	6-pole terminal block

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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	7 W
• supply voltage / 1 / rated value	19.2 ... 28.8 V
• consumed current / 1 / maximum	0.29 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	80 mm
height	117 mm
depth	109 mm
net weight	0.35 kg
material / of the enclosure	Plastic
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No

product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
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

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• MIB support	Yes
• TRAPs via email	Yes
• configuration with STEP 7	Yes
• RMON	Yes
• port mirroring	Yes
• multiport mirroring	No
• CoS	Yes
• with IRT / PROFINET IO switch	No
• PROFINET IO diagnosis	Yes
PROFINET conformity class	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
• BOOTP	No
• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
identification & maintenance function	
• 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

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• VLAN - protocol-based	No
• VLAN - IP-based	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 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
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure RSTP+	Yes
• redundancy procedure MSTP	No
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	No
• 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

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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, T7
• 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	
Internet-Link	
• to website: Selector TIA 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

security information

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