SIEMENS

Data sheet

Product type designation

6GK5320-3BF00-2AA3

SCALANCE X320-3LD FE

SCALANCE X320-3LDFE MANAGED IE SWITCH, 20 X 10/100 MBIT/S RJ45 PORTS, 1 X 100MBIT/S SC PORT MM 2 X 100MBIT/S SC PORT SM LED-DIAGNOSTICS, FAULT SIGNAL CONTACT WITH SELECT/ SET BUTTON, PROFINET-IO DEVICE, NETWORK-MANAGEMENT, INTEGRATED REDUNDANCY MANAGER OFFICE FEATURES (RSTP, VLAN, IGMP,..) C-PLUG IN THE SCOPE OF SUPPLY



Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
 for network components or terminal equipment 	20
Number of 100 Mbit/s SC ports	
• for multimode	3
Number of 1000 Mbit/s LC ports	
• for multimode	0
 for single mode (LD) 	0
Interfaces / others	
Number of electrical connections	
 for signaling contact 	1
• for power supply	1
 for redundant voltage supply 	2
Type of electrical connection	
 for signaling contact 	2-pole terminal block



	4-pole terminal block
design of the removable storage	
• C-PLUG	Yes
Signal-Inputs/outputs	
Operating voltage / of the signaling contacts	
	24 V
Operating current / of the signaling contacts	
• at DC / maximum	0.1 A
Supply voltage, current consumption, power loss	
Type of voltage supply / redundant power supply unit	No
Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	18 32 V
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	F 3 A / 32 V
Consumed current / maximum (0.5 A
Power loss [W]	
• at DC / at 24 V	12 W
Permitted ambient conditions	
Ambient temperature	
during operation	-40 +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	IP30
Design, dimensions and weight	
Design	compact
Width	180 mm
Height	125 mm
Depth	123 mm
Net weight	1.65 kg
	When used in shipbuilding, installation on a 35 mm standard
	mounting rail is not permitted.
• 19-inch installation	No
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	No



Product properties, functions, components / genera		
Cascading in the case of a redundant ring / at	100	
reconfiguration time of <\~0.3\~s		
Cascading in cases of star topology	any (depending only on signal propagation time)	
Product functions / management, configuration		
Product function		
• CLI	Yes	
 web-based management 	Yes	
MIB support	Yes	
• TRAPs via email	Yes	
 Configuration with STEP 7 	Yes	
• RMON	Yes	
Port mirroring	Yes	
multiport mirroring	Yes	
• CoS	Yes	
PROFINET IO diagnosis	Yes	
 switch-managed 	Yes	
Protocol / is supported		
• Telnet	Yes	
• HTTP	Yes	
• HTTPS	Yes	
• TFTP	Yes	
• FTP	Yes	
• BOOTP	Yes	
• GMRP	Yes	
• DCP	Yes	
• LLDP	Yes	
 IGMP (snooping/querier) 	Yes	
Identification & maintenance function		
 I&M0 - device-specific information 	Yes	
 I&M1 – higher-level designation/location designation 	Yes	
Protocol / is supported		
• SNMP v1	Yes	
• SNMP v2	Yes	
• SNMP v3	Yes	
Product functions / Diagnosis		
Product function		
Port diagnostics	Yes	
Statistics Packet Size	Yes	
 Statistics packet type 	Yes	



• Error statistics	Yes
● SysLog	Yes
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Product functions / VLAN Product function	
VLAN - port based	Yes
VLAN - protocol-based	No
VLAN - Protocol-based VLAN - IP-based	No
VLAN - II - Dased VLAN dynamic	Yes
Number of VLANs / maximum	255
Number of VLANs - dynamic / maximum	255
Protocol / is supported / GVRP	Yes
	100
Product functions / DHCP	
Product function	
DHCP client	Yes
DHCP Option 82	Yes
DHCP Option 66	Yes
DHCP Option 67	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 MSTP 	Yes
 Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	Yes
 Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) 	No
Passive listening	Yes
Protocol / is supported	
• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes



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• MSTP	No
RSTP big network support	Yes
• 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
Product functions / Time	
Product function	
SICLOCK support	Yes
Protocol / is supported	
• NTP	Yes
• SNTP	Yes
• IEEE 1588 profile default	No
Standards, specifications, approvals	
Standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2, Group 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 	UL 1604 and UL 2279-15 (Hazardous Location), CSA C22.2 No. 213-M1987, Class 1 / Division 2 / Group A, B, C, D / T4, Class 1 / Zone 2 / Group IIC / T4
• for emitted interference	EN 61000-6-4:2007 (Class A)
 for interference immunity 	EN 61000-6-2:2005
Certificate of suitability / CE marking	Yes
Certificate of suitability	EN 61000-6-2:2005, EN 61000-6-4:2007
• C-Tick	Yes
 Railway application in accordance with EN 50155 	No
 KC approval 	Yes
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
• Bureau Veritas (BV)	Yes
 Det Norske Veritas (DNV) 	Yes



Germanische Lloyd (GL)	No
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
 Polski Rejestr Statkow (PRS) 	No
 Royal Institution of Naval Architects (RINA) 	No
MTBF / at 40 °C	15 у

http://www.siemens.com/snst

http://www.siemens.com/simatic-net

http://automation.siemens.com/bilddb

https://support.industry.siemens.com

http://www.siemens.com/industry/infocenter

https://mall.industry.siemens.com

http://www.siemens.com/cax

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

Security information

Security information

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