6GK5320-1BD00-2AA3

Data sheet



SCALANCE X320-1FE managed IE switch, 20x 10/100 Mbit/s RJ45 ports, 1x 100 Mbit/s SC Port multimode LED-diagnostics, error-signaling contact with Select/set pushbutton, PROFINET IO Device, network management, integrated redundancy manager, Office features (RSTP, VLAN, IGMP,...) C-plug in scope of delivery .

10 Mbit/s, 100 Mbit/s		
interfaces / for communication / maximum configuration for modular devices		
20		
1		
20		
20		
1		
1		
1		
2-pole terminal block		
4-pole terminal block		
Yes		
24 V		
0.1 A		
Yes		
No		
DC		
24 V		
9.6 W		
18 32 V		
0.4 A		
4-pole terminal block		
Yes		

SCALANCE X320-1FE

during operation	-40 +60 °C
during storage	-40 +70 °C
during storage during transport	-40 +70 °C
relative humidity	
at 25 °C / without condensation / during operation /	95 %
maximum	30 /0
protection class IP	IP30
design, dimensions and weights	
design	compact
width	180 mm
height	125 mm
depth	123 mm
net weight	1.65 kg
fastening method	When used in shipbuilding, installation on a 35 mm standard mounting
3 11 11	rail is not permitted.
 19-inch installation 	No
 35 mm top hat DIN rail mounting 	Yes
wall mounting	Yes
 S7-300 rail mounting 	Yes
 S7-1500 rail mounting 	No
product features, product functions, product components	/ general
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, 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	Yes
 multiport mirroring 	Yes
• CoS	Yes
 PROFINET IO diagnosis 	Yes
PROFINET conformity class	В
product function / switch-managed	Yes
protocol / is supported	
Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	Yes
• GMRP	Yes
• DCP	Yes
• LLDP	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
product functions / VLAN	

product function	
 VLAN - port based 	Yes
 VLAN - protocol-based 	No
 VLAN - IP-based 	No
 VLAN dynamic 	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
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	Von
ring redundancy High Speed Redundancy Protected (HRR)	Yes
High Speed Redundancy Protocol (HRP) high speed redundancy protocol (HRP) with	Yes
 high speed redundancy protocol (HRP) with redundancy manager 	Yes
 high speed redundancy protocol (HRP) with standby 	Yes
redundancy	100
protocol / is supported / Media Redundancy Protocol	Yes
(MRP)	
product function	
 media redundancy protocol (MRP) with redundancy 	Yes
manager	
 redundancy procedure STP 	Yes
 redundancy procedure RSTP 	Yes
 redundancy procedure MSTP 	Yes
 Parallel Redundancy Protocol (PRP)/operation in 	Yes
the PRP-network	
Parallel Redundancy Protocol (PRP)/Redundant Naturally Assess (RNA)	No
Network Access (RNA)	V
passive listening	Yes
protocol / is supported	V
• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
• MSTP	Yes
 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
• NTP • SNTP	Yes
	No
IEEE 1588 profile default	INU
standards, specifications, approvals	
standard	
• for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, Class 1, Zone 2,
a for oatable / from CCA and III	Group IIC, T4
for safety / from CSA and UL for amitted interference	UL 60950-1, CSA C22.2 No. 60950-1
for emitted interference	EN 61000-6-4:2007 (Class A)

• for interference immunity EN 61000-6-2:2005 MTBF 25 a reference code • according to IEC 81346-2 KF according to IEC 81346-2:2019 KFF standards, specifications, approvals / CE certificate of suitability / CE marking Yes standards, specifications, approvals / hazardous environments EN 60079-0: 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 standard / for hazardous zone **ATEX 0145X** 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 certificate of suitability • CCC / for hazardous zone according to GB standard Yes standards, specifications, approvals / other certificate of suitability EN 61000-6-2:2005, EN 61000-6-4:2007 C-Tick Yes KC approval Yes • railway application in accordance with EN 50155 No standards, specifications, approvals / marine classification Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) Yes • French marine classification society (BV) Yes Det Norske Veritas (DNV) Nο • Germanische Lloyd (GL) No DNV GL Yes • Lloyds Register of Shipping (LRS) Yes Nippon Kaiji Kyokai (NK) Yes • Polski Rejestr Statkow (PRS) No Royal Institution of Naval Architects (RINA) Yes further information / internet-Links Internet-Link • to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net • to website: Industrial communication • to website: Industry Mall https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter • to website: Information and Download Center http://automation.siemens.com/bilddb • to website: Image database • 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, 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.

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