SIEMENS

Data sheet

6GK5308-2GG00-2CA2

Product type designation



SCALANCE X308-2M TS

SCALANCE X308-2M TS; MANAGED IE SWITCH, COMPACT; 4 X 10/100/1000MBIT/S FOR RJ45 PORTS ELECTRICAL; 2 X 100/1000MBIT/S FOR 2-PORT- MEDIA MODULES, ELECTRICAL OR OPTICAL; LED-DIAGNOSIS; EXPANDED TEMPERATURE RANGE WITH RAILWAY CERTIFIC. EN50155; FAULT SIGNAL-CONTACT; PROFINET-IO DEVICE; NET-WORK MANAGEMENT; INTEGRATED REDUNDANCY MANAGER; OFFICE FEATURES (RSTP, VLAN, IGMP,..); C-PLUG IN SCOPE OF SUPPLY

Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
Interfaces / for communication / integrated	
Number of electrical connections	
 for network components or terminal equipment 	4
Number of 100 Mbit/s ST(BFOC) ports	
• for multimode	4
Number of 100 Mbit/s SC ports	
• for multimode	4
Number of 1000 Mbit/s LC ports	
• for multimode	4
• for single mode (LD)	4
Interfaces / others	
Number of electrical connections	
 for signaling contact 	1
• for media module	2
• for power supply	1

 for redundant voltage supply 	1
Type of electrical connection	
 for signaling contact 	2-pole terminal block
• for power supply	4-pole terminal block
design of the removable storage	
• C-PLUG	Yes
Signal-Inputs/outputs	
Operating voltage / of the signaling contacts	244
at DC / Rated value	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	12 V
• external	20 30 V
Supply voltage / at DC	24 V
• rated value	20 30 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	0.7 A
Power loss [W]	
• at DC / at 24 V	16.6 W
Permitted ambient conditions	
Ambient temperature	
during operation	-40 +70 °C
during storage	-40 +70 °C
	-40 +70 °C
during transport	
Note	Reduced operating temperature through the use of media modules (-40 °C to +70 °C) or SFP plug-in transceivers (-40 °C to +60 °C). If the device is installed in the vertical position, the maximum operating temperature is reduced to +50 °C.
Relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
Protection class IP	IP20
Design, dimensions and weight	
Design	compact
Width	120 mm
Height	125 mm

ed in shipbuilding, installation on a 35 mm standard
rail is not permitted.

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
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	
 Ring redundancy 	Yes
 High Speed Redundancy Protocol (HRP) 	Yes
 high speed redundancy protocol (HRP) with 	Yes
redundancy manager	
 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	No
(PRP)/Redundant Network Access (RNA)	
Passive listening	Yes
Protocol / is supported	
• STP/RSTP	Yes
• STP	Yes
• RSTP	Yes
• 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	Yes
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

• for interference immunity	EN 61000-6-2
Certificate of suitability / CE marking	Yes
Certificate of suitability	EN 61000-6-2, EN 61000-6-4
• C-Tick	Yes
 Railway application in accordance with EN 50155 	Yes
 Railway application in accordance with EN 50121-4 	Yes
• Fire protection in accordance with EN 45545-2	Yes
● KC approval	Yes
MTBF / at 40 °C	40 y

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

http://www.siemens.com/snst

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

https://mall.industry.siemens.com

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

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

Security information

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