

Siemens 6GK5208-0BA10-2AA3 Manual

Brand	Siemens
Product Series	Siemens
Product Type	designation

Description

6GK5208-0BA10-2AA3

SCALANCE X208, managed IE switch, 8x 10/100 Mbit/s RJ45 ports, LED diagnostics, error-signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, redundancy manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional.

product type designation

product brand name SCALANCE

product type designation X208

transfer rate

transfer rate 10 Mbit/s, 100 Mbit/s

interfaces / for communication / integrated

number of electrical connections

- for network components or terminal equipment 8

number of 10/100 Mbit/s RJ45 ports

- with securing collar 8

interfaces / other

number of electrical connections

- for signaling contact 1
- for power 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

operating voltage / of the signaling contacts

- at DC / rated value 24 V

operational current / of the signaling contacts

- at DC / maximum 0.1 A

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 3.84 W
- supply voltage / 1 / rated value 18 ... 32 V
- consumed current / 1 / maximum 0.185 A
- type of electrical connection / 1 / for power supply 4-pole terminal block
- product component / 1 / fusing at power supply input Yes
- fuse protection type / 1 / at input for supply voltage 0.6 A / 60 V

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 operation / 95 %

maximum

protection class IP IP30

design, dimensions and weights

design compact

width 60 mm

height 125 mm

depth 124 mm

net weight 0.78 kg

fastening method

- 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 reconfiguration

time of <~0.3~s

100

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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
- MIB support Yes
- TRAPs via email Yes
- configuration with STEP 7 Yes
- port mirroring Yes
- multiport mirroring No
- with IRT / PROFINET IO switch No
- PROFINET IO diagnosis Yes
- switch-managed Yes

PROFINET conformity class B

protocol / is supported

- Telnet Yes
- HTTP Yes
- HTTPS Yes
- TFTP Yes
- FTP Yes
- BOOTP No
- DCP Yes
- LLDP Yes
- SNMP v1 Yes
- SNMP v2 Yes
- SNMP v3 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

product functions / DHCP

product function

- DHCP client Yes

product functions / redundancy

protocol / is supported / Media Redundancy Protocol (MRP) Yes

product function

- media redundancy protocol (MRP) with redundancy

manager

Yes

- ring redundancy Yes
- high speed redundancy protocol (HRP) with redundancy Yes

manager

- high speed redundancy protocol (HRP) with standby

redundancy

No

- Parallel Redundancy Protocol (PRP)/operation in the PRP-network

Yes

- Parallel Redundancy Protocol (PRP)/Redundant Network

Access (RNA)

No

- passive listening Yes

product functions / security

protocol / is supported

- SSH Yes

product functions / time

product function

- SICLOCK support Yes

protocol / is supported

- NTP No
- SNTP Yes

standards, specifications, approvals

certificate of suitability

- CE marking Yes
- KC approval Yes
- Regulatory Compliance Mark (RCM) Yes

standard

- for EMC interference emission EN 61000-6-4 (Class A)
- for immunity to EMC EN 61000-6-2
- for safety / from CSA and UL UL 60950-1 E115352, CSA C22.2 No. 60950-1

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standards, specifications, approvals / hazardous environments

certificate of suitability

- ATEX Yes
- UKEX Yes
- IECEx Yes
- ULhazloc approval Yes
- CCC / for hazardous zone according to GB standard Yes
- FM registration Yes

standards, specifications, approvals / other

certificate of suitability

- railway application in accordance with EN 50155 No
- railway application in accordance with EN 50124-1 No
- RoHS conformity Yes

standards, specifications, approvals / marine classification

Marine classification association

- American Bureau of Shipping Europe Ltd. (ABS) Yes
- French marine classification society (BV) Yes
- DNV GL Yes
- Korean Register of Shipping (KRS) Yes
- Lloyds Register of Shipping (LRS) Yes
- Nippon Kaiji Kyokai (NK) Yes
- Polski Rejestr Statkow (PRS) Yes
- Royal Institution of Naval Architects (RINA) Yes

product functions / general

MTBF 83.71 a

reference code

- according to IEC 81346-2 KF
- according to IEC 81346-2:2019 KFE

Warranty period 5 a

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