SIEMENS

## Data sheet 6AG1308-2FL10-4AA3



***spare part*** SIPLUS NET SCALANCE X308-2 based on 6GK5308-2FL10-2AA3 with conformal coating, -10…+60 °C,

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| **product type designation** | |
| product brand name | SIPLUS |
| product type designation | X308-2 |
| Technical Product Detail Page | https://www.siemes.plc.com/?s=6AG1308-2FL10-4AA3 |
| **transfer rate** | |
| transfer rate | 10, 100, 1000 Mbit/s |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 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** | |
| type of voltage supply / redundant power supply unit | No |
| **type of voltage / 1 / of the supply voltage** | DC |
| ● supply voltage / 1 / rated value | 24 V |
| ● power loss [W] / 1 / rated value | 9.6 W |
| ● supply voltage / 1 / voltage range | 18 ... 32 |
| **ambient conditions** | |
| ambient temperature / in horizontal mounting position / during operation | -10 ... +60 °C |
| installation altitude / at height above sea level / maximum | 5000 m |
| relative humidity | |
| ● with condensation / according to IEC 60068-2-38 / maximum | 100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation |
| chemical resistance / to commercially available cooling lubricants | Yes; incl. airborne diesel and oil droplets |
| ambient condition / relating to ambient temperature - air pressure - installation altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax - 20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m) |


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| resistance to biologically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Class 3B2 mold and fungal spores (excluding fauna); class 3B3 on request |
| ● conformity according to EN 60721-3-6 | Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna) |
| resistance to chemically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| ● conformity according to EN 60721-3-6 | Yes; Class 6C3 (RH < 75%) incl. salt spray acc. to EN 60068-2-52 (Severity degree 3); * |
| resistance to mechanically active substances | |
| ● conformity according to EN 60721-3-3 | Yes; Class 3S4 incl. sand, dust; * |
| ● conformity according to EN 60721-3-6 | Yes; Class 6S3 incl. sand, dust; * |
| environmental category / according to IEC 60721 / note | * The supplied plug covers must remain in place on the unused interfaces during operation! |
| coating / for equipped printed circuit board / according to EN 61086 | Yes; Class 2 for high availability |
| type of coating / protection against pollution according to EN 60664-3 | Yes; protection of the type 1 |
| type of test / of the coating / according to MIL-I-46058C | Yes; coating discoloration during service life possible |
| product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A | Yes; conformal coating, class A |
| protection class IP | IP30 |
| **design, dimensions and weights** | |
| design | compact |
| width | 120 mm |
| height | 125 mm |
| depth | 124 mm |
| net weight | 1.4 kg |
| fastening method | 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 |
| **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 |
| ● MIB support | Yes |
| ● TRAPs via email | Yes |
| ● configuration with STEP 7 | Yes |
| ● RMON | Yes |
| ● SMTP server | Yes |
| ● port 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 |


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| ● SNMP v1 | Yes |
| ● SNMP v2 | Yes |
| ● SNMP v3 | Yes |
| ● IGMP (snooping/querier) | 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 dynamic | Yes |
| number of VLANs / maximum | 255 |
| number of VLANs - dynamic / maximum | 255 |
| **product functions / DHCP** | |
| product function | |
| ● DHCP client | Yes |
| ● DHCP Option 82 | Yes |
| ● DHCP Option 66 | Yes |
| ● DHCP Option 67 | 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 manager | Yes |
| ● high speed redundancy protocol (HRP) with standby redundancy | Yes |
| ● redundancy procedure STP | Yes |
| ● redundancy procedure RSTP | Yes |
| ● redundancy procedure MSTP | No |
| ● 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 | |
| ● 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 | No |
| ● SNTP | Yes |
| ● IEEE 1588 profile default | No |
| **standards, specifications, approvals** | |


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| certificate of suitability | |
| ● CE marking | Yes |
| ● KC approval | Yes |
| standard | |
| ● for EMC interference emission | EN 61000-6-4 (Class A) |
| ● for immunity to EMC | EN 61000-6-2 |

**standards, specifications, approvals / other**

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| certificate of suitability | |
| ● railway application in accordance with EN 50155 | No |
| ● railway application in accordance with EN 50124-1 | No |

**further information / internet links**

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| internet link | |
| ● to website: Selection guide for cables and connectors | https://www.siemens.plc.com/?s=6AG1308-2FL10-4AA3 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.plc.com/?s=6AG1308-2FL10-4AA3 |
| ● to website: Industrial communication | https://www.siemens.plc.com/?s=6AG1308-2FL10-4AA3 |
| ● to web page: SiePortal | https://www.siemens.plc.com/?s=6AG1308-2FL10-4AA3 |
| ● to website: Image database | https://www.siemens.plc.com/?s=6AG1308-2FL10-4AA3 |
| ● to website: CAx-Download-Manager | https://www.siemens.plc.com/?s=6AG1308-2FL10-4AA3 |
| ● to website: Industry Online Support | https://www.siemens.plc.com/?s=6AG1308-2FL10-4AA3 |

**security information**

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| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.plc.com/?s=6AG1308-2FL10-4AA3. (V4.7) |

**Approvals / Certificates**

**General Product Approval**

Manufacturer Declaration | China RoHS

| General Product Approval | EMV | For use in hazardous locations |
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China RoHS | CCC-Ex

**For use in hazardous locations**

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