SIEMENS

## Data sheet 6GK5108-0GA00-2AC2



SCALANCE XCM108 (8x100/1000 Mbps RJ45) unmanaged IE switch LED diagnostics, error-signaling contact with set pushbutton, redundant power supply manual available as a download

| | |
|---|---|
| **product type designation** | |
| product brand name | SCALANCE |
| product type designation | XCM108 |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5108-0GA00-2AC2 |
| **transfer rate** | |
| transfer rate | 10, 100, 1000 Mbit/s |
| **interfaces / for communication / integrated** | |
| number of electrical connections | |
| ● for network components or terminal equipment | 8; RJ45 |
| number of 10/100/1000 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 |
| 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 | 3.2 W |
| ● consumed current / 1 / at rated supply voltage / maximum | 0.22 A |
| ● supply voltage / 1 / voltage range | 9.6 ... 31.2 |
| ● consumed current / 1 / maximum | 0.45 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 | 2,5 A / 125 V |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -40 ... +70 °C |
| ● during storage | -40 ... +85 °C |
| ● during transport | -40 ... +85 °C |
| relative humidity | |


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|---|---|
| ● at 25 °C / without condensation / during operation / maximum | 95 % |
| protection class IP | IP20 |
| **design, dimensions and weights** | |
| design | compact |
| width | 60 mm |
| height | 147 mm |
| depth | 125 mm |
| net weight | 0.504 kg |
| fastening method | |
| ● 35 mm DIN-rail mounting | Yes |
| ● wall mounting | Yes |
| ● S7-300 rail mounting | Yes |
| ● S7-1500 rail mounting | Yes |
| **product features, product functions, product components / general** | |
| number of automatically learnable MAC addresses | 2048 |
| **product functions / management, configuration, engineering** | |
| product function | |
| ● multiport mirroring | No |
| ● CoS | Yes |
| ● switch-managed | No |
| PROFINET conformity class | A |
| **product functions / redundancy** | |
| product function | |
| ● Parallel Redundancy Protocol (PRP)/operation in the PRP-network | Yes |
| ● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA) | No |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● CE marking | Yes |
| ● UKCA marking | Yes |
| ● EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1 | Yes |
| ● KC approval | Yes |
| ● Regulatory Compliance Mark (RCM) | Yes |
| standard | |
| ● for EMC interference emission | EN 61000-6-4 |
| ● for immunity to EMC | EN 61000-6-2 |
| ● for safety / from CSA and UL | UL 62368-1 |
| **standards, specifications, approvals / other** | |
| certificate of suitability | |
| ● RoHS conformity | Yes |
| resistance to air pollution / conformity according to ANSI/ISA-71.04 | Yes; G3 |
| **standards, specifications, approvals / Environmental Product Declaration** | |
| global warming potential [CO2 eq] | |
| ● total | 95.79 kg |
| ● during manufacturing | 14.4 kg |
| ● during operation | 81.1 kg |
| ● after end of life | 0.29 kg |
| **product functions / general** | |
| MTBF | 73 a |
| warranty period | 5 a |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |


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|---|---|
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

## 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.com/cert. (V4.7) |

## Approvals / Certificates

### Environmental Product Declaration

| | |
|---|---|
| ● global warming potential [CO2 eq] / during manufacturing | 14.4 kg |
| ● global warming potential [CO2 eq] / during operation | 81.1 kg |
| ● global warming potential [CO2 eq] / after end of life | 0.29 kg |
| ● global warming potential [CO2 eq] / total | 95.79 kg |

**Environment**

**General Product Approval**

Miscellaneous

**General Product Approval**

China RoHS

**For use in hazardous locations**

CCC-Ex

**Radio Equipment Type Approval Certificate**

## Industrial Communication

PROFINET

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