SIEMENS

## Data sheet 6GK5106-2BD00-2AC2



SCALANCE XC106-2, Unmanaged IE switch, 6x 10/100 Mbit/s RJ45 ports, 2x 100 Mbit/s Multimode SC, LED diagnostics, error-signaling contact with set button, redundant Power supply Manual available as a download

| | |
|---|---|
| **Product type designation** | **SCALANCE XC106-2** |
| **Transmission rate** | |
| Transfer rate | 10 Mbit/s, 100 Mbit/s |
| **Interfaces / for communication / integrated** | |
| Number of electrical connections | |
| • for network components or terminal equipment | 6; RJ45 |
| Number of 100 Mbit/s SC ports | |
| • for multimode | 2 |
| **Interfaces / others** | |
| Number of electrical connections | |
| • for signaling contact | 1 |
| • for power supply | 1 |
| • for redundant voltage supply | 1 |
| Type of electrical connection | |
| • for signaling contact | 2-pole terminal block |
| • for power supply | 3-pole terminal block, permanently installed |
| **Signal-Inputs/outputs** | |


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| | |
|---|---|
| Operating voltage / of the signaling contacts | |
| • 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 / of the supply voltage | DC |
| Supply voltage | |
| • external | 24 V |
| • external / minimum | 9.6 V |
| • external / maximum | 31.2 V |
| **Supply voltage / 1 / Rated value** | 12 V |
| • Supply voltage / 1 / rated value | 9.6 ... 31.2 V |
| • Type of voltage / 1 / of the supply voltage | DC |
| • Consumed current / 1 / at rated supply voltage / maximum | 0.4 A |
| **Supply voltage / 2 / Rated value** | 24 V |
| • Supply voltage / 2 / rated value | 9.6 ... 31.2 V |
| • Type of voltage / 2 / of the supply voltage | DC |
| • Consumed current / 2 / at rated supply voltage / maximum | 0.2 A |
| • Power loss [W] / 2 / Rated value | 4.8 W |
| Product component / fusing at power supply input | Yes |
| Fuse protection type / at input for supply voltage | 2.5 A / 125 V |
| Power loss [W] | |
| • at DC / at 24 V | 4.8 W |

## Permitted ambient conditions

| | |
|---|---|
| Ambient temperature | |
| • during operation | -40 ... +70 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °C |
| Relative humidity | |
| • at 25 °C / without condensation / during operation / maximum | 95 % |
| Protection class IP | IP20 |

## Design, dimensions and weight

| | |
|---|---|
| Design | compact |
| Width | 60 mm |
| Height | 147 mm |
| Depth | 125 mm |
| Net weight | 0.85 kg |
| Material / of the enclosure | Polycarbonate (PC-GF10) |
| Mounting type | |


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| | |
|---|---|
| • 35 mm DIN rail mounting | Yes |
| • wall mounting | Yes |
| • S7-300 rail mounting | Yes |
| • S7-1500 rail mounting | Yes |

| Product properties, functions, components / general | |
|---|---|
| Number of automatically learnable MAC addresses | 2048 |

| Product functions / management, configuration | |
|---|---|
| Product function | |
| • multiport mirroring | No |
| • CoS | Yes |
| Product function / switch-managed | No |

| 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 | |
|---|---|
| Standard | |
| • for hazardous zone | EN 60079-0:2012 + A11:2013, EN60079-15:2010, II 3 G Ex nA IIC T4 Gc, KEMA 07ATEX0145 X, IEC 6079-0:2011, IEC 6079-0-15:2010 |
| • 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), Class 1 / Division 2 / Group A, B, C, D / T.., Class 1 / Zone 2 / Group IIC / T.. |
| • for emitted interference | EN 61000-6-4 (Class A) |

| Standards, specifications, approvals / CE | |
|---|---|
| Certificate of suitability / CE marking | Yes |

| Standards, specifications, approvals / miscellaneous | |
|---|---|
| Laser protection class | LED Class 1 |
| Certificate of suitability | EN 61000-6-2, EN 61000-6-4 |
| • C-Tick | Yes |
| • E1 approval | No |
| • EC declaration of conformity EN 61010, IEC 61010-1, UL 61010A-1 | Yes |
| • KC approval | Yes |

| Standards, specifications, approvals / ship classification | |
|---|---|
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |


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| | |
|---|---|
| • Bureau Veritas (BV) | Yes |
| • DNV GL | Yes |
| • Lloyds Register of Shipping (LRS) | Yes |
| • Polski Rejestr Statkow (PRS) | Yes |
| • Royal Institution of Naval Architects (RINA) | Yes |

## Further Information / Internet Links

| | |
|---|---|
| Internet-Link | |
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx Download Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

## Security information

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|---|---|
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