SIEMENS

## Data sheet 6AV6881-0AP40-0AA0

SIMATIC SD indoor card 32 GB, secure digital card, indoor use, can be used with TIA V16 or higher, scope of supply: 1 memory card




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| **General information** | |
| Product type designation | SD memory card |
| **Control elements** | |
| Frame size/design | |
| ● Standard | Yes; Typically 10 000 insertion cycles |
| ● Flat | Yes |
| **Installation type/mounting** | |
| Mounting position | Any, dependent on target device |
| Mounting in portrait format possible | Yes |
| Mounting in landscape format possible | Yes |
| **Supply voltage** | |
| Type of supply voltage | DC |
| Rated value (DC) | 3.3 V; Max 3.6 V |
| **Input current** | |
| Current consumption (rated value) | 100 mA; Typical, maximum value |
| **Storage** | |
| Type of memory | Secure Digital memory card |
| Memory size | 32 Gbyte |
| Transmission rate for reading, max. | 600 Mbit/s; Typical |
| Transmission rate for writing, max. | 600 Mbit/s; Typical |
| Wear leveling (distributed writing) | Yes |
| Write protection switch | Yes; Effectiveness depends on the device |
| **Interfaces** | |
| Device-side interface | |
| ● Number of pins device-side | 9 |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| UKCA mark | Yes |
| UL approval | Yes |
| cULus | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| RoHS conformity | Yes |
| China RoHS compliance | Yes |
| Marine approval | Yes; Passive component, therefore dependent on target device |
| Use in hazardous areas | |
| ● ATEX Zone 2 | Yes; Always comply with the operating instructions of the target device. |
| ● ATEX Zone 22 | Yes; Always comply with the operating instructions of the target device. |
| ● IECEx Zone 2 | Yes; Always comply with the operating instructions of the target device. |


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| ● IECEx Zone 22 | Yes; Always comply with the operating instructions of the target device. |
| ● cULus Class I Zone 2, Division 2 | Yes; Always comply with the operating instructions of the target device. |
| ● FM Class I Division 2 | Yes; Always comply with the operating instructions of the target device. |
| Marine approval | |
| ● Germanischer Lloyd (GL) | Yes; Always comply with the operating instructions of the target device. |
| ● American Bureau of Shipping (ABS) | Yes; Always comply with the operating instructions of the target device. |
| ● Bureau Veritas (BV) | Yes; Always comply with the operating instructions of the target device. |
| ● Det Norske Veritas (DNV) | Yes; Always comply with the operating instructions of the target device. |
| ● Lloyds Register of Shipping (LRS) | Yes; Always comply with the operating instructions of the target device. |
| ● Nippon Kaiji Kyokai (Class NK) | Yes; Always comply with the operating instructions of the target device. |
| ● Polski Rejestr Statkow (PRS) | Yes; Always comply with the operating instructions of the target device. |
| ● Chinese Classification Society (CCS) | Yes; Always comply with the operating instructions of the target device. |
| ● Compass working clearance | 5 m |
| **Ambient conditions** | |
| Suited for indoor use | Yes |
| Suited for outdoor use | No |
| Ambient temperature during operation | |
| ● min. | 0 °C |
| ● max. | 55 °C |
| Ambient temperature during storage/transportation | |
| ● min. | -25 °C |
| ● max. | 70 °C |
| Relative humidity | |
| ● Operation, max. | 95 %; no condensation |
| ● Condensation permissible | No; Condensation not permissible |
| **Operating systems** | |
| pre-installed operating system | |
| ● Windows CE | No; Preinstalled system files |
| Runs under operating system | |
| ● Windows CE | Yes |
| ● Windows Vista | Yes |
| ● Windows XP | Yes |
| ● Windows 7 | Yes |
| ● Windows 8 | Yes |
| ● Windows 10 | Yes |
| ● Linux | Yes |
| ● other | Yes; Card must not be formatted! |
| **Mechanics/material** | |
| Enclosure material (front) | |
| ● plastic | Yes; Gold contacts |
| Enclosure color (front) | RAL 6034 (color deviation possible) |
| Service life | |
| ● Number of operating cycles, keys | 10; min. data storage without loss of data (in years) with new card |
| **Dimensions** | |
| Width | 24 mm |
| Height | 32 mm |
| Thickness | 2.1 mm |
| **Weights** | |
| Weight (without packaging) | 3 g |
| Weight (with packaging) | 6 g |
| **Scope of supply** | |
| Delivery quantity in pieces | 1 |
| **Other** | |
| Merchandise | No |
| Manufacturer name | SIEMENS AG |
| Manufacturer's address | Gleiwitzerstraße 555, 90475 Nuremberg, Germany |
| Target devices | Storage medium especially for indoor areas, suitable for Panels as of TIA V16 (observe manual for target panel) but also for PCs with a suitable slot. Formatting destroys the system properties of the card |


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| Note: | can only be used with TIA V16 or higher, panel firmware must be upgraded if necessary (cannot be used in Classic Panels) |

## Classifications

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-33-02-92 |
| eClass | 14 | 27-33-02-92 |
| eClass | 12 | 27-33-02-92 |
| eClass | 9.1 | 27-33-02-92 |
| eClass | 9 | 27-33-02-92 |
| eClass | 8 | 27-24-92-03 |
| eClass | 7.1 | 27-24-92-03 |
| eClass | 6 | 27-24-92-03 |
| ETIM | 10 | EC002584 |
| ETIM | 9 | EC002584 |
| ETIM | 8 | EC002584 |
| ETIM | 7 | EC002584 |
| IDEA | 4 | 3552 |
| UNSPSC | 15 | 32-15-17-03 |

## Approvals / Certificates

| General Product Approval | EMV |
|---|---|

## Further information

**Usable in the following products: Detailed information can be found in the cross-list, which is available for download in the following SIOS note: 40466415**

https://www.hmitop.com/?s=6AV6881-0AP40-0AA0

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