



SIMATIC SD memory card 2 GB secure digital card for devices with corresponding slot, scope of supply: 1 memory card

| 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                                           |
| Memory                                |                                                                          |
| Type of memory                        | Secure Digital memory card                                               |
| Memory size                           | 2 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                                                                      |
| 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. |
| • 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.                                                                                        |
| <b>Marine approval</b>                                   |                                                                                                                                                                 |
| • 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                                                                                                                                                             |
| <b>Ambient conditions</b>                                |                                                                                                                                                                 |
| Suited for indoor use                                    | Yes                                                                                                                                                             |
| Suited for outdoor use                                   | No                                                                                                                                                              |
| <b>Ambient temperature during operation</b>              |                                                                                                                                                                 |
| • min.                                                   | 0 °C                                                                                                                                                            |
| • max.                                                   | 55 °C                                                                                                                                                           |
| <b>Ambient temperature during storage/transportation</b> |                                                                                                                                                                 |
| • min.                                                   | -25 °C                                                                                                                                                          |
| • max.                                                   | 70 °C                                                                                                                                                           |
| <b>Relative humidity</b>                                 |                                                                                                                                                                 |
| • Operation, max.                                        | 95 %                                                                                                                                                            |
| • Condensation permissible                               | No; Condensation not permissible                                                                                                                                |
| <b>Operating systems</b>                                 |                                                                                                                                                                 |
| <b>pre-installed operating system</b>                    |                                                                                                                                                                 |
| • Windows CE                                             | No; Preinstalled system files                                                                                                                                   |
| <b>Runs under operating system</b>                       |                                                                                                                                                                 |
| • 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!                                                                                                                                |
| <b>Mechanics/material</b>                                |                                                                                                                                                                 |
| Enclosure material (front)                               |                                                                                                                                                                 |
| • Plastic                                                | Yes; Gold contacts                                                                                                                                              |
| Enclosure color (front)                                  | RAL 6034 (color deviation possible)                                                                                                                             |
| <b>Service life</b>                                      |                                                                                                                                                                 |
| • Number of operating cycles, keys                       | 10; min. data storage without loss of data (in years) with new card                                                                                             |
| <b>Dimensions</b>                                        |                                                                                                                                                                 |
| Width                                                    | 24 mm                                                                                                                                                           |
| Height                                                   | 32 mm                                                                                                                                                           |
| Thickness                                                | 2.1 mm                                                                                                                                                          |
| <b>Weights</b>                                           |                                                                                                                                                                 |
| Weight (without packaging)                               | 3 g                                                                                                                                                             |
| Weight (with packaging)                                  | 6 g                                                                                                                                                             |
| <b>Scope of supply</b>                                   |                                                                                                                                                                 |
| Delivery quantity in pieces                              | 1                                                                                                                                                               |
| <b>Other</b>                                             |                                                                                                                                                                 |
| Merchandise                                              | No                                                                                                                                                              |
| Manufacturer name                                        | SIEMENS AG                                                                                                                                                      |
| Manufacturer's address                                   | Gleiwitzerstraße 555, 90475 Nuremberg, Germany                                                                                                                  |
| Target devices                                           | Especially for KTP Mobile Panels 2nd Generation, MP377 and Comfort Panels, but also for all other panels (other than Classic Panels) and PCs with suitable slot |
| Note:                                                    | Not suitable for MP177, MP277, Mobile Panel 277, OP77, TP/OP177, TP/OP277 and Mobile Panel 177                                                                  |
| <b>Usable in the following products</b>                  |                                                                                                                                                                 |
| • Product 1                                              | 6AV2124-*                                                                                                                                                       |

- Product 4
- Product 5
- Product 6
- Product 7

6AV2125-2G\*  
6AV2125-2J\*  
6AV2125-2D\*  
6AV6644-\*

Classifications

|        | Version | Classification |
|--------|---------|----------------|
| 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   | 9       | EC002584       |
| ETIM   | 8       | EC002584       |
| ETIM   | 7       | EC002584       |
| IDEA   | 4       | 3552           |
| UNSPSC | 15      | 32-15-17-03    |

Approvals / Certificates

|                                                                                               |                                                                                   |                                                                                         |                    |                                                                                            |                                                                                            |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| General Product Approval                                                                      |                                                                                   |                                                                                         |                    |                                                                                            | EMV                                                                                        |
| <br>EG-Konf. |  | <br>UL | <a href="#">KC</a> | <br>RCM | <br>RCM |

last modified: 5/22/2024 