



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                                           |
| Storage                               |                                                                          |
| 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                                                                      |
| 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. |

|                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• IECEx Zone 22</li> <li>• cULus Class I Zone 2, Division 2</li> <li>• FM Class I Division 2</li> </ul>                                                                                                                                                                                                                                                                  | <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p>                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Marine approval</b>                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• Germanischer Lloyd (GL)</li> <li>• American Bureau of Shipping (ABS)</li> <li>• Bureau Veritas (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (Class NK)</li> <li>• Polski Rejestr Statkow (PRS)</li> <li>• Chinese Classification Society (CCS)</li> <li>• Compass working clearance</li> </ul> | <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>5 m</p> |
| <b>Ambient conditions</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Suited for indoor use                                                                                                                                                                                                                                                                                                                                                                                           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Suited for outdoor use                                                                                                                                                                                                                                                                                                                                                                                          | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Ambient temperature during operation</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>                                                                                                                                                                                                                                                                                                                                        | <p>0 °C</p> <p>55 °C</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ambient temperature during storage/transportation</b>                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>                                                                                                                                                                                                                                                                                                                                        | <p>-25 °C</p> <p>70 °C</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Relative humidity</b>                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• Operation, max.</li> <li>• Condensation permissible</li> </ul>                                                                                                                                                                                                                                                                                                         | <p>95 %</p> <p>No; Condensation not permissible</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Operating systems</b>                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>pre-installed operating system</b>                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• Windows CE</li> </ul>                                                                                                                                                                                                                                                                                                                                                  | No; Preinstalled system files                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Runs under operating system</b>                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• Windows CE</li> <li>• Windows Vista</li> <li>• Windows XP</li> <li>• Windows 7</li> <li>• Windows 8</li> <li>• Windows 10</li> <li>• Linux</li> <li>• other</li> </ul>                                                                                                                                                                                                 | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes; Card must not be formatted!</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Mechanics/material</b>                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Enclosure material (front)                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• Plastic</li> </ul>                                                                                                                                                                                                                                                                                                                                                     | Yes; Gold contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Enclosure color (front)                                                                                                                                                                                                                                                                                                                                                                                         | RAL 6034 (color deviation possible)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Service life</b>                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"> <li>• Number of operating cycles, keys</li> </ul>                                                                                                                                                                                                                                                                                                                            | 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 |
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| 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 |  |



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



| Further information                                                                                                                                                                                                                                                                             |  |
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| 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                                                                                                                                     |  |
| <a href="https://support.industry.siemens.com/cs/document/40466415/status-of-the-simatic-hmi-accessories-and-cross-list-update?dti=0&amp;lc=en-WW">https://support.industry.siemens.com/cs/document/40466415/status-of-the-simatic-hmi-accessories-and-cross-list-update?dti=0&amp;lc=en-WW</a> |  |

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