



Figure similar

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

| General information | |
|--|--|
| Product type designation | SD memory card |
| Control elements | |
| Frame size/design | |
| <ul style="list-style-type: none"> Standard | Yes; Typically 10 000 insertion cycles |
| <ul style="list-style-type: none"> 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 | 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 | |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> ATEX Zone 2 | Yes; Always comply with the operating instructions of the target device. |
| <ul style="list-style-type: none"> ATEX Zone 22 | Yes; Always comply with the operating instructions of the target device. |

| | |
|---|--|
| <ul style="list-style-type: none"> • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 | <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> |
| Marine approval | |
| <ul style="list-style-type: none"> • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) • Polski Rejestr Statkow (PRS) • Chinese Classification Society (CCS) • Compass working clearance | <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> |
| Ambient conditions | |
| Suited for indoor use | Yes |
| Suited for outdoor use | Yes |
| Ambient temperature during operation | |
| <ul style="list-style-type: none"> • min. • max. | <p>-30 °C; Indoor/outdoor</p> <p>60 °C; Indoor/outdoor</p> |
| Ambient temperature during storage/transportation | |
| <ul style="list-style-type: none"> • min. • max. | <p>-30 °C</p> <p>70 °C</p> |
| Relative humidity | |
| <ul style="list-style-type: none"> • Operation, max. • Condensation permissible | <p>95 %; no condensation</p> <p>No; Condensation not permissible</p> |
| Operating systems | |
| pre-installed operating system | |
| <ul style="list-style-type: none"> • Windows CE | No; Preinstalled system files |
| Runs under operating system | |
| <ul style="list-style-type: none"> • Windows CE • Windows Vista • Windows XP • Windows 7 • Windows 8 • Windows 10 • Linux • other | <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> |
| Mechanics/material | |
| Enclosure material (front) | |
| <ul style="list-style-type: none"> • Plastic | Yes; Gold contacts |
| Enclosure color (front) | RAL 6034 (color deviation possible) |
| Service life | |
| <ul style="list-style-type: none"> • 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 outdoor or 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 |
| 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 | 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://support.industry.siemens.com/cs/document/40466415/status-of-the-simatic-hmi-accessories-and-cross-list-update?dti=0&lc=en-VW>

last modified:

4/3/2025