



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	
<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	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	
<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 	Yes; Always comply with the operating instructions of the target device.

<ul style="list-style-type: none"> • 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>
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	No
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. • max. 	<p>0 °C</p> <p>55 °C</p>
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	<p>-25 °C</p> <p>70 °C</p>
Relative humidity	
<ul style="list-style-type: none"> • Operation, max. • Condensation permissible 	<p>95 %</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</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	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

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-WW>

last modified:

4/3/2025

TURLL

YOUR GLOBAL AUTOMATION PARTNER

6AV2181-8XP00-0AX0

OFFICIAL DATASHEET & QUOTATION

- 100% New & Original Factory Sealed
- Global Express Shipping (DHL/FedEx/UPS)
- 12-Month Warranty Protection
- Professional Technical Support

[CHECK STOCK & PRICE](#)



Need Assistance? Scan to Chat on WhatsApp

sales@turl.com | +852 6339 7344