

SIMATIC SD indoor card 32 GB, Secure Digital Card, Indoor use, can be used with TIA V16 or higher, Further information, Quantity and content: see technical data



General information	
Product type designation	SD memory card
Control elements	
Frame size/design	
<ul style="list-style-type: none"> Standard Flat 	Yes; Typically 10 000 insertion cycles 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
Input current	
Current consumption (rated value)	100 mA
Memory	
Type of memory	Secure Digital memory card
Memory size	2 048 Mbyte; Larger internal memory
Transmission rate for reading, max.	1.6 Mbit/s; Minimum, typical for newly formatted memory
Transmission rate for writing, max.	1.6 Mbit/s; Minimum, typical for newly formatted memory
Wear leveling (distributed writing)	Yes; > 100 000 write/read cycles per cell and > 3 000 000 write/read cycles per card
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
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 • 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> <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) 	<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>
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; Indoor</p> <p>55 °C; Indoor</p>
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	<p>-20 °C</p> <p>80 °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>No</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 (in years)
Dimensions	
Width	24 mm
Height	32 mm
Thickness	2.1 mm
Weights	
Weight without packaging	3 g
Weight incl. packaging	6 g
Scope of supply	
Delivery quantity in pieces	1; can also be used in Outdoor Panels however the limited temperature range must be observed and complied with.
Other	
Merchandise	No
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

Note:

can only be used with WinCC V16 or later, panel firmware must be upgraded if necessary (cannot be used in Classic Panels)

last modified:

1/15/2021 