



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"> <li>Standard</li> </ul>	Yes; Typically 10 000 insertion cycles
<ul style="list-style-type: none"> <li>Flat</li> </ul>	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"> <li>Number of pins device-side</li> </ul>	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"> <li>ATEX Zone 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>ATEX Zone 22</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>IECEx Zone 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>IECEx Zone 22</li> </ul>	Yes; Always comply with the operating instructions of the target device.

<ul style="list-style-type: none"> <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>
<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	Yes
<b>Ambient temperature during operation</b>	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	<p>-30 °C; Indoor/outdoor</p> <p>60 °C; Indoor/outdoor</p>
<b>Ambient temperature during storage/transportation</b>	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	<p>-30 °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 %; no condensation</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	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)
Usable in the following products	

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