SIEMENS

Data sheet

6AV2181-8XP00-0AX0

SIMATIC SD memory card 2 GB Secure Digital Card for For devices with corresponding Slot Further information, Quantity and content: see technical data



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
Memory	
Type of memory	Secure Digital memory card

Transmission rate for reading, max. 1.6 Mbit/s; Minimum, typical for newly formatted memory Wear leveling (distributed writing) Yes; Yob 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 0-wice-side interface 9 Standards, approvals, contificates Yes CE mark Yes UL approval Yes OULus Yes KC approval Yes CLULS Yes CLULS Yes CLULS Yes CA complance Yes CLULS Yes CLUS Yes CLUS Yes CA complance Yes Marine approval Yes Ves: Always comply with the operating instructions of the target device. • ATEX Zone 2 Yes; Always comply with the operating instructions of the target device. • LECEx Zone 2 Yes; Always comply with the operating instructions of the target device. • LECEx Zone 2, Division 2 Yes; Always comply with the operating instructions of the target device. • LECEx Zone 2, D	Memory size	2 048 Mbyte; Larger internal memory
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 Polski Rejestr Statkow (PRS) 	Yes; Always comply with the operating instructions of the target device.
Chinese Classification Society (CCS)	Yes; Always comply with the operating instructions of the target device.
 Compass working clearance 	5 m

Ambient conditions	
Suited for indoor use	Yes
Suited for outdoor use	Yes; possible under certain conditions
Ambient temperature during operation	
● min.	-30 °C
• max.	60 °C
Ambient temperature during storage/transportation	
● min.	-40 °C
• max.	80 °C
Relative humidity	
• Operation, max.	95 %
Condensation permissible	No; Condensation not permissible

Operating systems	
pre-installed operating system	
Windows CE	No; Preinstalled system files
Runs under operating system	
Windows CE	Yes
 Windows Vista 	Yes
Windows XP	Yes
• Windows 7	Yes
• Windows 8	Yes
• Windows 10	Yes
• Linux	No
• other	Yes; Card must not be formatted!

Mechanics/material	
Enclosure material (front)	
Plastic	Yes; Gold contacts
Enclosure color (front)	RAL 6034 (color deviation possible)
Service life	
 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
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
Usable in the following products	
Product 2	6AV2124-1*
Product 3	6AV2124-2DC01-0AX0
 Product 4 	6AV2125-2G*
Product 5	6AV2125-2J*
• Product 6	6AV6644*
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