SIEMENS

Data sheet

6AV2181-8XP00-0AX0

SIMATIC HMI MEMORY CARD 2 GB SECURE DIGITAL CARD FOR SIMATIC HMI COMFORT PANEL



General information	
Product type designation	SIMATIC HMI SD memory card, 2 GB
Control elements	
Connection type	
• USB	No
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
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	
 Number of pins device-side 	9
Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes
RoHS conformity	Yes
China RoHS compliance	Yes
Marine approval	
Germanischer Lloyd (GL)	Yes; Always comply with the operating instructions of the target device.
American Bureau of Shipping (ABS)	Yes; Always comply with the operating instructions of the target device.
Bureau Veritas (BV)	Yes; Always comply with the operating instructions of the target device.
 Det Norske Veritas (DNV) 	Yes; Always comply with the operating instructions of the target device.
 Lloyds Register of Shipping (LRS) 	Yes; Always comply with the operating instructions of the target device.
 Nippon Kaiji Kyokai (Class NK) 	Yes; Always comply with the operating instructions of the target device.
 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
Use in hazardous areas	
ATEX Zone 2	Yes; Always comply with the operating instructions of the target device.
• ATEX Zone 22	Yes; Always comply with the operating instructions of the target device.
• IECEx Zone 2	Yes; Always comply with the operating instructions of the target device.
• IECEx Zone 22	Yes; Always comply with the operating instructions of the target device.

Ambient temperature during operation • min. • max. 60 °C; Indoor/outdoor Ambient temperature during storage/transportation • min. • max. 80 °C Relative humidity • Operation, max. • Condensation permissible Operating systems Pre-installed operating system • Windows CE • Windows CE • Windows CE • Windows Vista • Windows XP • Windows XP • Windows AP • Windows B • Windows CE • Windows B • Window			
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Windows 7 Windows 8 Windows 10 Linux No Mechanics/material Enclosure material (front) Plastic Enclosure color (front) RAL 6034 (color deviation possible) Service life Number of operating cycles, keys Dimensions Width 24 mm Height Thickness 2.1 mm	Windows Vista	Yes	
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● Linux No Mechanics/material Enclosure material (front) ● Plastic Enclosure color (front) RAL 6034 (color deviation possible) Service life ● Number of operating cycles, keys Dimensions Width 24 mm Height Thickness 2.1 mm	Windows 8	Yes	
Mechanics/material Enclosure material (front) Plastic Polatic	Windows 10	Yes	
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Enclosure color (front) 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	Enclosure material (front)		
Service life	Plastic	Yes; Gold contacts	
● Number of operating cycles, keys Dimensions Width Height Thickness 10; Min. data storage without loss (in years) 10; Min. data storage without loss (in years) 24 mm 32 mm 2.1 mm	· · ·	RAL 6034 (color deviation possible)	
Dimensions Width 24 mm Height 32 mm Thickness 2.1 mm			
Width 24 mm Height 32 mm Thickness 2.1 mm	 Number of operating cycles, keys 	10; Min. data storage without loss (in years)	
Height 32 mm Thickness 2.1 mm	Dimensions		
Thickness 2.1 mm			
	Thickness	2.1 mm	

Scope of supply

3 g

6 g

1

Weights

Weight without packaging

Delivery quantity in pieces

Weight incl. packaging

Other	
Target devices	Specifically for KTP Mobile Panels 2nd Generation and Comfort Panels, but also for all other panels (except for Classis Panels) and PCs with suitable slot
Note:	Not suitable for MP177, MP277, MP377, Mobile Panel 277, OP77, TP/OP177, TP/OP277 and Mobile Panel 177
Usable in the following products	
• Product 1	6av2124-0*
• Product 2	6av2124-1*
• Product 3	6AV2124-2DC01-0AX0
• Product 4	6AV2125-2G*
• Product 5	6AV2125-2J*
last modified:	03/24/2017