SIEMENS

Data sheet 6ES7648-2BF10-0XJ0

SIMATIC CFast memory card, 16 GB, for IPCs with corresponding slot, scope of supply: 1 CFast 16 GB



General information	
Product type designation	CFast memory card
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	3.3 V; ±5 %
Power	
Active power input, typ.	0.7 W; Inactive 0.3 W
Storage	
Type of memory	CFast Type I
Design	SLC NAND flash
Memory size	16 Gbyte; 1 year (data retention)
Speed class	Write speed: up to 60 MB/s (UDMA6), read speed: up to 100 MB/s (UDMA6)
SLC flash write cycles	17; TB; number of write cycles determines the lifetime - with flash mass storage devices, the maximum number of possible write cycles is limited due to the physical properties of the flash cells. The intelligent data management of the flash controller ensures that the write cycle count of the mass storage device far surpasses the write cycles of a single flash memory cell. To ensure overall performance, it is recommended not use the memory area completely.
Standards, approvals, certificates	
CE mark	Yes
RoHS conformity	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	-40 °C; Any mounting angle
● max.	85 °C; Any mounting angle
Ambient temperature during storage/transportation	
● min.	-50 °C
● max.	100 °C
Relative humidity	
● Operation, max.	85 %
● Condensation permissible	No
Dimensions	
Width	42.8 mm
Height	36.4 mm
Depth	3.6 mm
Weights	
Weight, approx.	10 g
Other	
Merchandise	No
Manufacturer name	SIEMENS AG

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Manufacturer's address	Gleiwitzerstraße 555, 90475 Nuremberg, Germany
Target devices	For SIMATIC HMI devices and IPCs with the appropriate slot
Note:	bootable, real-time capable, error correction, wear leveling, power loss protection and diagnostics-capable

Classifications

	Version	Classification
eClass	16	19-15-07-02
eClass	14	19-15-07-02
eClass	12	19-15-07-02
eClass	9.1	19-15-07-02
eClass	9	19-15-07-02
eClass	8	19-15-07-02
eClass	7.1	19-15-07-02
eClass	6	19-15-07-02
ETIM	10	EC000192
ETIM	9	EC000192
ETIM	8	EC000192
ETIM	7	EC000192
IDEA	4	6565
UNSPSC	15	43-20-20-05

Approvals / Certificates

General Product Approval

CE EG-Konf. UKCA Manufacturer Declaration RCM EAC CE EG-Konf.

General Product Approval

UKCA China RoHS

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