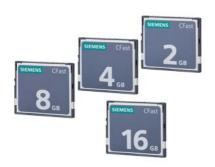
## **SIEMENS**

## **Data sheet**

## 6ES7648-2BF10-0XK1

SIMATIC CFast memory card, 30 GB, for IPCs and Open Controller with corresponding slot Further information, quantity and content: See technical data



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.	1.3 W; Inactive 0.4 W	
Memory		
Type of memory	CFast Type I	
Design	Multi-level cell (MLC)	
Memory size	30 Gbyte; 1 year (data retention)	
Speed class	Write speed: up to 45 MBps (UDMA6), read speed: up to 200 MBps (UDMA6)	
Write cycles MLC flash	8.8; Terabytes, industrial quality	
Standards, approvals, certificates		
CE mark	Yes	
EAC (formerly Gost-R)	Yes	
RoHS conformity	Yes	
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 1	No	
• IECEx Zone 11	No	
• 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.	
<ul> <li>cULus Class I Zone 1</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>cULus Class I Zone 2, Division 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>cULus Class II Division 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>FM Class I Division 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
FM Class II Division 2	Yes; Always comply with the operating instructions of the target device.	
Marine approval		
<ul> <li>Germanischer Lloyd (GL)</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>American Bureau of Shipping (ABS)</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>Bureau Veritas (BV)</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	Yes; Always comply with the operating instructions of the target device.	
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes; Always comply with the operating instructions of the target device.	

<ul> <li>Chinese Classification Society (CCS)</li> </ul>	Yes; Always comply with the operating instructions of the target device.
Ambient conditions	
Suited for indoor use	Yes; Always comply with the operating instructions of the target device.
Suited for outdoor use	No
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	
<ul> <li>Operation, max.</li> </ul>	85 %
<ul> <li>Condensation permissible</li> </ul>	No
Accessories	
Function description	fixed mode, multiple partitions possible
Mechanics/material	
Enclosure material (front)	
Plastic	Yes
Dimensions	
Width	42.8 mm
Height	36.4 mm
Thickness	3.6 mm
Weights	
Weight (without packaging)	10 g
Weight (with packaging)	20 g
Other	
Merchandise	No
Manufacturer name	SIEMENS AG
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
last modified:	3/12/2021 🗗