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Data sheet 6ES7653-2CF00-0XB0

	SIMATIC System Expansion Card up to 1600 process objects suitable for CPU 410-5H
General information	
Product type designation	PCS 7 System Expansion Card PO 1600
HW functional status	3
Firmware version	V2.0
Design of PLC basic unit	With Conformal Coating (ISA-S71.04 severity level G1; G2; G3) and operating temperature to 70 °C
Storage	
PCS 7 process objects	1 600; PO for CPU 410-5H; expandable by means of CPU 410 Expansion Pack PO 100 or PO 500
Work memory	
● integrated	Use of max. 31.5 MB work memory in the CPU 410-5H
● expandable	Yes, by means of CPU 410 Expansion Pack PO 100 or PO 500
CPU-blocks	
DB	
● Size, max.	64 kbyte; the total size of all data blocks generated with the SFC 22 (CREATE_DB) is limited to 256 KB
Address area	
I/O address area	
● Inputs	16 kbyte
● Outputs	16 kbyte
Process image	
● Inputs, default	Total peripheral address range, cannot be changed
● Outputs, default	Total peripheral address range, cannot be changed
1. Interface	
PROFIBUS DP master	
Address area	
— Inputs, max.	6 kbyte
— Outputs, max.	6 kbyte
2. Interface	
PROFINET IO Controller	
Address area	
— Inputs, max.	8 kbyte
— Outputs, max.	8 kbyte
3. Interface	
PROFINET IO Controller	
Address area	
— Inputs, max.	8 kbyte
— Outputs, max.	8 kbyte
Standards, approvals, certificates	
CE mark	Yes
UKCA mark	Yes
CSA approval	Yes
UL approval	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
CCC	Yes
Use in hazardous areas	

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● ATEX marking	ATEX II 3G Ex ec IIC T4 Gc
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	70 °C
Dimensions	
Width	8 mm
Height	16 mm
Depth	25 mm
Weights	
Weight, approx.	20 g

Classifications

	Version	Classification
eClass	16	27-24-25-01
eClass	14	27-24-25-01
eClass	12	27-24-25-01
eClass	9.1	27-24-25-01
eClass	9	27-24-25-01
eClass	8	27-24-25-01
eClass	7.1	27-24-25-01
eClass	6	27-24-25-01
ETIM	10	EC000809
ETIM	9	EC000809
ETIM	8	EC000809
ETIM	7	EC000809

Approvals / Certificates

General Product Approval

Miscellaneous

General Product Approval | **For use in hazardous locations**

China RoHS | Miscellaneous | Manufacturer Declaration

For use in hazardous locations

FM | Type Examination Certificate

Maritime application

NK / Nippon Kaiji Kyokai

Maritime application | **Environment**

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CCS (China Classification Society)

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