

SIMATIC System Expansion Card up to 1000 process objects suitable for CPU 410-5H

General information	
Product type designation	PCS 7 System Expansion Card PO 1000
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	1 000; PO for CPU 410-5H; expandable by means of CPU 410 Expansion Pack PO 100 or PO 500
Work memory	
• Integrated	Use of max. 19.8 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	Use of 16 KB in the CPU 410-5H
• Outputs	Use of 16 KB in the CPU 410-5H
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	
• ATEX	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
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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

Maritime application

[FM](#)



[Type Examination Certificate](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

Environment



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