

SIMATIC system expansion card, up to 500 process objects suitable for CPU 410-5H

General information	
Product type designation	PCS 7 System Expansion Card PO 500
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
Memory	
PCS 7 process objects	500; PO for CPU 410-5H; expandable by means of CPU 410 Expansion Pack PO 100 or PO 500
Work memory	
<ul style="list-style-type: none"> <li>integrated</li> <li>expandable</li> </ul>	Use of max. 10 MB work memory in the CPU 410-5H Yes, by means of CPU 410 Expansion Pack PO 100 or PO 500
CPU-blocks	
DB	
<ul style="list-style-type: none"> <li>Size, max.</li> </ul>	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	
<ul style="list-style-type: none"> <li>Inputs</li> <li>Outputs</li> </ul>	Use of 16 KB in the CPU 410-5H Use of 16 KB in the CPU 410-5H
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	
<ul style="list-style-type: none"> <li>ATEX</li> </ul>	ATEX II 3G Ex ec IIC T4 Gc
Ambient conditions	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	0 °C 70 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	-25 °C 70 °C
Altitude during operation relating to sea level	
<ul style="list-style-type: none"> <li>Installation altitude above sea level, max.</li> </ul>	5 000 m; restrictions for installation altitudes > 2 000 m, see section "Climatic and mechanical environmental conditions"
Resistance	
Usage in industrial process technology	
— Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04	Yes
Dimensions	
Width	8 mm
Height	16 mm
Depth	25 mm
Weights	

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Weight, approx.

20 g

**last modified:**

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