

SIMATIC PCS 7, system expansion card, up to 32 MB work memory and R1 license, with 16 KB each inputs and outputs for PCS 7 CPU 410-5H

General information	
Product type designation	CPU 410 System Expansion Card 32 MB incl. R1
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	
Work memory	
<ul style="list-style-type: none"> <li>integrated</li> <li>integrated (for program)</li> <li>integrated (for data)</li> <li>expandable</li> </ul>	Use of max. 32 MB work memory in the CPU 410-5H Use of 16 MB in the CPU 410-5H Use of 16 MB in the CPU 410-5H No
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
Process image	
<ul style="list-style-type: none"> <li>Inputs, default</li> <li>Outputs, default</li> </ul>	Total peripheral address range, cannot be changed Total peripheral address range, cannot be changed
Digital channels	
<ul style="list-style-type: none"> <li>Inputs               <ul style="list-style-type: none"> <li>— of which central</li> </ul> </li> <li>Outputs               <ul style="list-style-type: none"> <li>— of which central</li> </ul> </li> </ul>	131 072; max. 131 072; max. 131 072; max. 131 072; max.
Analog channels	
<ul style="list-style-type: none"> <li>Inputs               <ul style="list-style-type: none"> <li>— of which central</li> </ul> </li> <li>Outputs               <ul style="list-style-type: none"> <li>— of which central</li> </ul> </li> </ul>	8 192; max. 8 192; max. 8 192; max. 8 192; max.
Standards, approvals, certificates	
CE 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
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
configuration / header	
Configuration software	
<ul style="list-style-type: none"> <li>STEP 7</li> </ul>	Yes
configuration / programming / header	
Programming language	
<ul style="list-style-type: none"> <li>— LAD</li> <li>— FBD</li> </ul>	Yes Yes

— STL	Yes
— SCL	Yes
— CFC	Yes
— GRAPH	Yes
— HiGraph®	Yes

#### Dimensions

Width	8 mm
Height	16 mm
Depth	25 mm

#### Weights

Weight, approx.	20 g
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**last modified:**

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