



SIMATIC S7-1200, CPU 1214C, COMPACT CPU, DC/DC/RELAY, ONBOARD I/O: 14 DI 24V DC; 10 DO RELAY 2A; 2 AI 0 - 10V DC, POWER SUPPLY: DC 20.4 - 28.8 V DC, PROGRAM/DATA MEMORY: 75 KB

Supply voltage	
24 V DC	Yes
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Load voltage L+	
<ul style="list-style-type: none"> <li>• Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>• permissible range, lower limit (DC)</li> </ul>	20.4 V
<ul style="list-style-type: none"> <li>• permissible range, upper limit (DC)</li> </ul>	28.8 V
Encoder supply	
24 V encoder supply	
<ul style="list-style-type: none"> <li>• 24 V</li> </ul>	Permissible range: 20.4V to 28.8V
Power loss	
Power loss, typ.	12 W
Digital inputs	
Number of digital inputs	14; Integrated
Input voltage	

<ul style="list-style-type: none"> <li>• Rated value, DC</li> <li>• for signal "0"</li> <li>• for signal "1"</li> </ul>	24 V 5 V DC at 1 mA 15 VDC at 2.5 mA
<b>Input current</b>	
<ul style="list-style-type: none"> <li>• for signal "1", typ.</li> </ul>	1 mA
<b>Input delay (for rated value of input voltage)</b>	
for standard inputs	
— at "0" to "1", min.	0.1 μs
<b>Cable length</b>	
<ul style="list-style-type: none"> <li>• Cable length, shielded, max.</li> </ul>	500 m; 50 m for technological functions
<b>Digital outputs</b>	
Number of digital outputs	10; Relays
Short-circuit protection	No; to be provided externally
<b>Switching capacity of the outputs</b>	
<ul style="list-style-type: none"> <li>• with resistive load, max.</li> <li>• on lamp load, max.</li> </ul>	2 A 30 W with DC, 200 W with AC
<b>Output delay with resistive load</b>	
<ul style="list-style-type: none"> <li>• "0" to "1", max.</li> <li>• "1" to "0", max.</li> </ul>	10 ms; max. 10 ms; max.
<b>Relay outputs</b>	
<ul style="list-style-type: none"> <li>• Number of relay outputs</li> <li>• Number of operating cycles, max.</li> </ul>	10 mechanically 10 million, at rated load voltage 100,000
<b>Cable length</b>	
<ul style="list-style-type: none"> <li>• Cable length, shielded, max.</li> </ul>	500 m
<b>Analog outputs</b>	
Number of analog outputs	0
<b>Analog value generation</b>	
<b>Integration and conversion time/resolution per channel</b>	
<ul style="list-style-type: none"> <li>• Resolution with overrange (bit including sign), max.</li> </ul>	10 bit
<b>Encoder</b>	
<b>Connectable encoders</b>	
<ul style="list-style-type: none"> <li>• 2-wire sensor</li> </ul>	Yes
<b>Galvanic isolation</b>	
<b>Galvanic isolation digital inputs</b>	
<ul style="list-style-type: none"> <li>• Galvanic isolation digital inputs</li> </ul>	500V AC for 1 minute

<b>Galvanic isolation digital outputs</b>	
• Galvanic isolation digital outputs	Relays
<b>Degree and class of protection</b>	
IP20	Yes
<b>Ambient conditions</b>	
<b>Operating temperature</b>	
• min.	-20 °C
• max.	60 °C
<b>Storage/transport temperature</b>	
• min.	-40 °C
• max.	70 °C
<b>Dimensions</b>	
Width	110 mm
Height	100 mm
Depth	75 mm
<b>Weights</b>	
Weight, approx.	435 g
<b>last modified:</b>	21.08.2014