



SIMATIC S7-400, POWER SUPPLY PS 405: 10A, WIDE RANGE, 24/48/60V DC, DC, 5V DC/10A, FOR REDUNDANT USE ATEX APPROBATION IDENTIFICATION

Figure similar

### Supply voltage

Rated value (DC)	
<ul style="list-style-type: none"> <li>• 24 V DC</li> <li>• 48 V DC</li> <li>• 60 V DC</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
permissible range, lower limit (DC)	19.2 V; Dynamic 18.5 V
permissible range, upper limit (DC)	72 V; dynamic 75.5 V

### Mains buffering

<ul style="list-style-type: none"> <li>• Mains/voltage failure stored energy time</li> <li>• Mains buffering according to NAMUR recommendation</li> </ul>	<p>20 ms</p> <p>Yes</p>
---	-------------------------

### Input current

Rated value at 24 V DC	4 A
Rated value at 48 V DC	2 A
Rated value at 60 V DC	1.6 A
Inrush current, max.	18 A; Full width at half maximum 20 ms

### Output voltage

Type of output voltage	DC
Rated value (DC)	
<ul style="list-style-type: none"> <li>• 5 V DC</li> <li>• 24 V DC</li> </ul>	<p>Yes</p> <p>Yes</p>

### Output current

for backplane bus (5 V DC), max.	10 A; no base load required
for backplane bus (24 V DC), max.	1 A; idling-proof

short-circuit protection	Yes
<b>Power</b>	
Power consumption, typ.	95 W
<b>Power losses</b>	
Power loss, typ.	20 W
<b>Battery</b>	
<b>Backup battery</b>	
<ul style="list-style-type: none"> <li>• Backup battery</li> <li>— Backup battery (optional)</li> </ul>	Yes; 2 x lithium AA; 3.6 V/2.3 Ah
<b>Hardware configuration</b>	
<b>Slots</b>	
<ul style="list-style-type: none"> <li>• Required slots</li> </ul>	2
<b>Galvanic isolation</b>	
primary/secondary	Yes
<b>Degree and class of protection</b>	
Protection class	1; with protective conductor
<b>Standards, approvals, certificates</b>	
FM approval	Yes; Ta: 0 °C to 60 °C T4
<b>Connection method</b>	
Connecting cables/cross sections	3x 1.5 mm <sup>2</sup> , solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm
<b>Dimensions</b>	
Width	50 mm
Height	290 mm
Depth	217 mm
<b>Weights</b>	
Weight, approx.	1 200 g
<b>last modified:</b>	12.03.2015