

SIMATIC S7-400, PS 405 POWER SUPPLY, WIDE RANGE 10A,
24/48/60V DC, 5V/10A DC

Supply voltage

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

Mains buffering

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

Rated value at 24 V DC	4.5 A
Rated value at 48 V DC	2.1 A
Rated value at 60 V DC	1.7 A
Inrush current, max.	18 A; Full width at half maximum 20 ms

Output voltage

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

Output current

for backplane bus (5 V DC), max.	10 A; 200 mA base load required
for backplane bus (24 V DC), max.	1 A; idling-proof
Short-circuit protection	Yes

Power

Active power input, typ.	104 W
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Power loss

Power loss, typ.	29 W
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Battery

Backup battery	
<ul style="list-style-type: none"> • Backup battery (optional) 	Yes; 2x lithium AA; 3.6 V / 1.9 Ah

Hardware configuration

Slots	
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• required slots

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Potential separation

primary/secondary

Yes

Degree and class of protection

Protection class

1; with protective conductor

Standards, approvals, certificates

FM approval

Yes; up to 40 °C: T4

Connection method

Connecting cables/cross-sections

3x 1.5 mm², solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm

Dimensions

Width

50 mm

Height

290 mm

Depth

217 mm

Weights

Weight, approx.

1 400 g

last modified:

03/24/2017