

SIMATIC S7-400, Power supply PS 405: 4 A, 24/48/60 V DC, 5 V DC/4 A, ATEX approval marking



Supply voltage	
Rated value (DC)	
• 24 V DC	Yes
• 48 V DC	Yes
• 60 V DC	Yes
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
• Mains buffering according to NAMUR recommendation	Yes
Input current	
Rated value at 24 V DC	2 A
Rated value at 48 V DC	1 000 mA
Rated value at 60 V DC	800 mA
Inrush current, max.	18 A; Full width at half maximum 20 ms
Output voltage	
Type of output voltage	DC
Rated value (DC)	
• 5 V DC	Yes

• 24 V DC	Yes
<b>Output current</b>	
for backplane bus (5 V DC), max.	4 A; no base load required
for backplane bus (24 V DC), max.	0.5 A; idling-proof
Short-circuit protection	Yes
<b>Power</b>	
Active power input, typ.	48 W
<b>Power loss</b>	
Power loss, typ.	16 W
<b>Battery</b>	
Backup battery	
• Backup battery (optional)	Yes; 1x lithium AA; 3.6 V / 2.3 Ah
<b>Hardware configuration</b>	
Slots	
• required slots	1
<b>Potential separation</b>	
primary/secondary	Yes
<b>Isolation</b>	
Overvoltage category	II
<b>Degree and class of protection</b>	
Equipment protection class	I, with protective conductor
<b>Standards, approvals, certificates</b>	
FM approval	Yes; Ta: 0 °C to 60 °C T4
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
<b>Connection method</b>	
Design of electrical connection	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	25 mm
Height	290 mm
Depth	217 mm
<b>Weights</b>	
Weight, approx.	760 g
<b>last modified:</b>	06/16/2020