

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
Output current	
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
Power	
Active power input, typ.	48 W
Power loss	
Power loss, typ.	16 W
Battery	
Backup battery	
• Backup battery (optional)	Yes; 1x lithium AA; 3.6 V / 2.3 Ah
Hardware configuration	
Slots	
• required slots	1
Potential separation	
primary/secondary	Yes
Isolation	
Overvoltage category	II
Degree and class of protection	
Equipment protection class	I, with protective conductor
Standards, approvals, certificates	
FM approval	Yes; Ta: 0 °C to 60 °C T4
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	60 °C
Connection method	
Design of electrical connection	3x 1.5 mm ² , solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm
Dimensions	
Width	25 mm
Height	290 mm
Depth	217 mm
Weights	
Weight, approx.	760 g
last modified:	09/03/2020