

SIMATIC S7-400, Power supply PS405: 20 A, wide range, 24/48/60 V DC, 5 V DC/20 A, ATEX approval marking



Figure similar

General information	
Product type designation	PS 405
Supply voltage	
Rated value (DC)	
• 24 V DC	Yes
• 48 V DC	Yes
• 60 V DC	Yes
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	
• Mains/voltage failure stored energy time	20 ms
• Mains buffering according to NAMUR recommendation	Yes
Input current	
Rated value at 24 V DC	7 A
Rated value at 48 V DC	3.2 A

Rated value at 60 V DC	2.5 A
Inrush current, max.	56 A; Full width at half maximum 1.5 ms
<b>Output voltage</b>	
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.	20 A; no base load required
for backplane bus (24 V DC), max.	1 A; idling-proof
Short-circuit protection	Yes
<b>Power</b>	
Active power input, typ.	168 W
<b>Power loss</b>	
Power loss, typ.	44 W
<b>Battery</b>	
Backup battery	
• Backup battery (optional)	Yes; 2x lithium AA; 3.6 V / 2.3 Ah
<b>Hardware configuration</b>	
Slots	
• required slots	2
<b>Potential separation</b>	
primary/secondary	Yes
<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	50 mm
Height	290 mm
Depth	217 mm

## Weights

Weight, approx.

1 300 g

**last modified:**

06/27/2019