

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



Figure similar

General information	
Product type designation	PS405, 24/48/60 VDC, 5 VDC/10 A
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	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
<b>Output voltage</b>	
Type of output voltage	DC
Rated value (DC)	Yes
• 5 V DC	Yes
• 24 V DC	Yes
<b>Output current</b>	
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 loss</b>	
Power loss, typ.	20 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>	
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>	10/13/2016