

SIMATIC S7-400, POWERSUPPLY PS 405: 20A, WIDE RANGE,
24/48/60V DC, 5V DC/20A, ATEXAPPROBATIONIDENTIFICATION



Figure similar

General information	
Product type designation	PS405, 24/48/60 VDC, 5 VDC/20 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	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
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.	20 A; no base load required
for backplane bus (24 V DC), max.	1 A; idling-proof
Short-circuit protection	Yes
Power	
Power consumption, typ.	168 W
Power loss	
Power loss, typ.	44 W
Battery	
Backup battery	
• Backup battery (optional)	Yes; 2x lithium AA; 3.6 V / 2.3 Ah
Hardware configuration	
Slots	
• required slots	2
Potential separation	
primary/secondary	Yes
Degree and class of protection	
Protection class	1; with protective conductor
Standards, approvals, certificates	
FM approval	Yes; Ta: 0 °C to 60 °C T4
Connection method	
Connecting cables/cross-sections	3x 1.5 mm ² , 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.	1 300 g
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