



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

Supply voltage	
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 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
Output voltage	
Rated value, 5 V DC	Yes
Rated value, 24 V DC	Yes
Output current	
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
Power	
Power consumption, typ.	95 W

<b>Power losses</b>	
<b>Power loss, typ.</b>	20 W
<b>Battery</b>	
<b>Backup battery</b>	
<b>Backup battery</b>	
<b>Backup battery (optional)</b>	Yes ; 2 x lithium AA; 3.6 V/2.3 Ah
<b>Hardware configuration</b>	
<b>Slots</b>	
<b>Required slots</b>	2
<b>Galvanic isolation</b>	
<b>primary/secondary</b>	Yes
<b>Degree and class of protection</b>	
<b>Protection class</b>	1 ; with protective conductor
<b>Standards, approvals, certificates</b>	
<b>FM approval</b>	Yes ; Ta: 0 °C to 60 °C T4
<b>Connection method</b>	
<b>Connecting cables/cross sections</b>	3x 1.5 mm <sup>2</sup> , solid or stranded wire with end sleeve, external diameter 3 mm to 9 mm
<b>Dimensions</b>	
<b>Width</b>	50 mm
<b>Height</b>	290 mm
<b>Depth</b>	217 mm
<b>Weights</b>	
<b>Weight, approx.</b>	1200 g
<b>Status</b>	Dec 10, 2014