

SIMATIC S7-400, Power supply PS405: 10 A, wide range, 24/48/60 V DC; 5 V DC/10 A, for redundant use ATEX approval marking



General information

Product type designation	PS 405
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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

Output voltage	
Type of output voltage	DC
Rated value (DC)	Yes
<ul style="list-style-type: none"> • 5 V DC • 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	
Active power input, typ.	95 W
Power loss	
Power loss, typ.	20 W
Battery	
Backup battery	
<ul style="list-style-type: none"> • Backup battery (optional) 	Yes; 2x lithium AA; 3.6 V / 2.3 Ah
Hardware configuration	
Slots	
<ul style="list-style-type: none"> • required slots 	2
Potential separation	
primary/secondary	Yes
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	
<ul style="list-style-type: none"> • min. • max. 	0 °C 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	50 mm
Height	290 mm
Depth	217 mm
Weights	
Weight, approx.	1 200 g

last modified:

09/05/2019