

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



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 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)	
• 5 V DC	Yes
• 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	
• 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	
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	
• min.	0 °C
• max.	60 °C
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.

1 200 g

last modified:

08/13/2018