

SIMATIC PCS 7, PS 405 10A R XTR S7-400 power supply Wide range, 24/48/60 V DC; 5 V DC/10 A, for redundant use, ATEX approbation identifier for extended temperature range and with conformal coating

General information

Product type designation	PS 405
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Supply voltage

Rated value (DC)	
<ul style="list-style-type: none"> • 24 V DC • 48 V DC • 60 V DC 	<ul style="list-style-type: none"> Yes Yes 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

<ul style="list-style-type: none"> • Mains/voltage failure stored energy time • Mains buffering according to NAMUR recommendation 	<ul style="list-style-type: none"> 20 ms Yes
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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)	
<ul style="list-style-type: none"> • 5 V DC • 24 V DC 	<ul style="list-style-type: none"> Yes 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
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Power loss

Power loss, typ.	20 W
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Battery	
Backup battery	
• Backup battery (optional)	Yes; 2x lithium AA; 3.6 V / 2.2 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 70 °C T4
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	70 °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
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