

SIMATIC PCS 7, PS 407 10A R XTR S7-400 power supply Wide range, 120/230 V UC, 5 V DC/10 A, for redundant use, for extended temperature range and with conformal coating

General information

Product type designation	PS 407
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Supply voltage

Rated value (DC)	
<ul style="list-style-type: none"> • 120 V DC • 230 V DC 	<p>Yes</p> <p>Yes</p>
permissible range, lower limit (DC)	88 V
permissible range, upper limit (DC)	300 V
Rated value (AC)	
<ul style="list-style-type: none"> • 120 V AC • 230 V AC 	<p>Yes</p> <p>Yes</p>
permissible range, lower limit (AC)	85 V
permissible range, upper limit (AC)	264 V

Line frequency

<ul style="list-style-type: none"> • Rated value 50 Hz • Rated value 60 Hz • permissible range, lower limit • permissible range, upper limit 	<p>Yes</p> <p>Yes</p> <p>47 Hz</p> <p>63 Hz</p>
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Mains buffering

<ul style="list-style-type: none"> • Mains/voltage failure stored energy time • Mains buffering according to NAMUR recommendation 	<p>20 ms</p> <p>Yes</p>
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Input current

Rated value at 110 V DC	1 A; at 120 V DC
Rated value at 230 V DC	0.5 A
Rated value at 120 V AC	0.9 A
Rated value at 230 V AC	0.5 A
Inrush current, max.	63 A; Full width at half maximum 1 ms

Output voltage

Type of output voltage	DC
Rated value (DC)	
<ul style="list-style-type: none"> • 5 V DC • 24 V DC 	<p>Yes</p> <p>Yes</p>

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; 1x lithium AA; 3.6 V / 2.2 Ah
Hardware configuration	
Slots	
<ul style="list-style-type: none"> required slots 	2
Potential separation	
primary/secondary	Yes
EMC	
Compliance with line harmonic distortion limits	
<ul style="list-style-type: none"> Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3 	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	
<ul style="list-style-type: none"> min. max. 	0 °C 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

last modified:

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