

SIEMENS

Product data sheet

6ES7405-0RA02-0AA0


SIMATIC S7-400,
 POWERSUPPLY PS 405: 20A, WIDE RANGE,
 24/48/60V DC, 5V DC/20A,
 ATEXAPPROBATIONIDENTIFICATION

Supply voltage

Rated value, 24 V DC	Yes
Rated value, 48 V DC	Yes
Rated value, 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	7 A
Rated value at 48 V DC	3.2 A
Rated value at 60 V DC	2.5 A
Inrush current, max.	56 A ; Full width at half maximum 1.5 ms

Output voltage

Rated value, 5 V DC	Yes
Rated value, 24 V DC	Yes
Output current	
for backplane bus (5 V DC), max.	20 A ; no base load required
for backplane bus (24 V DC), max.	1 A ; idling-proof
Short-circuit protection	Yes
Power	
Power consumption, typ.	168 W
Power losses	
Power loss, typ.	44 W
Backup battery	
Backup battery	
Backup battery (optional)	Yes ; 2 x lithium AA; 3.6 V/2.3 Ah
Galvanic isolation	
primary/secondary	Yes
Degree and class of protection	
Protection class	1 ; with protective conductor
Standards, approvals, certificates	
FM approval	Yes ; Ta: 0 °C to 60 °C T4
Connection method	
Connecting cables/cross sections	3 x 1.5 mm ² , solid or stranded wire with end sleeve, external diameter 3 to 9 mm
Dimensions	
Width	50 mm
Height	290 mm
Depth	217 mm
Required slots	2
Weight	
Weight, approx.	1300 g
Status	Jul 17, 2012