



SIPLUS S7-400 PS 405 10A -25 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7405-0KA02-0AA0 . POWER SUPPLY, WIDE RANGE 10A, 24/48/60V DC, 5V/10A DC

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	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

Rated value, 5 V DC	Yes
Rated value, 24 V DC	Yes

Output current

for backplane bus (5 V DC), max.	10 A
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for backplane bus (24 V DC), max.	1 A ; idling-proof
Short-circuit protection	Yes
Power	
Power consumption, typ.	95 W
Power loss	
Power loss, typ.	20 W
Battery	
Backup battery	
Backup battery	
Backup battery (optional)	Yes ; 2 x lithium AA; 3.6 V/2.3 Ah
Hardware configuration	
Slots	
required slots	2
Galvanic isolation	
primary/secondary	Yes
Degree and class of protection	
Protection class	1 ; with protective conductor
Ambient conditions	
Extended ambient conditions	
relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity	
with condensation, maximum	100 % ; Relative humidity, incl. condensation / frost permitted (no commissioning under condensation conditions)
Resistance	
to biologically active substances/conformity with EN 60721-3-3	Yes ; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation in corrosive atmospheres!
to chemically active substances/conformity with EN 60721-3-3	Yes ; Class 3C4 incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
to mechanically active substances/conformity with EN 60721-3-3	Yes ; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Mechanical and climatic conditions during operation	
Climatic conditions in operation	
Temperature	
min.	-25 °C ; = Tmin
max.	70 °C ; = Tmax
Dimensions	
Width	50 mm

Height	290 mm
Depth	217 mm
Weights	
Weight, approx.	1.2 kg
Status	Jul 9, 2014