

SIPLUS S7-400 PS407 10A -25 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7407-0KA02-0AA0 . 10A, WIDERANGE, UC 120/230V; DC 5V/10A



Figure similar

Supply voltage	
Rated value (DC)	
• 120 V DC	Yes
• 230 V DC	Yes
permissible range, lower limit (DC)	88 V
permissible range, upper limit (DC)	300 V
Rated value (AC)	
• 120 V AC	Yes
• 230 V AC	Yes
permissible range, lower limit (AC)	85 V
permissible range, upper limit (AC)	264 V
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes
• permissible range, lower limit	47 Hz
• permissible range, upper limit	63 Hz
Mains buffering	

- Mains/voltage failure stored energy time 20 ms
- Mains buffering according to NAMUR recommendation Yes

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)	
• 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; 0 °C to +60 °C: 2 x lithium AA; 3.6 V/2.3 Ah // -25 °C to +70 °C and/or 100% RH: 2 x external battery box 6AG1971-0AA00-7AA0 and 2 x MONO cell design D

Hardware configuration

Slots	
• required slots	2

Potential separation

primary/secondary	Yes
-------------------	-----

EMC

Compliance with line harmonic distortion limits	
• Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3	Yes

Degree and class of protection

Protection class	1; with protective conductor
------------------	------------------------------

Ambient conditions

Ambient temperature during operation	
• min.	-25 °C; using the external battery box SIPLUS 6AG1971-0AA00-7AA0 for buffer mode
• max.	70 °C; using the external battery box SIPLUS 6AG1971-0AA00-7AA0 for buffer mode
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, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning if there is condensation). In buffer mode, use battery box SIPLUS 6AG1971-0AA00-7AA0 for high humidity
Resistance	
— against 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!
— against chemically active substances / conformity with EN 60721-3-3	Yes; Class 3C4 (RH < 75%) 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!
— against 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!
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:	03/11/2017